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BADGER STATE

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 31st Year
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Vol. 31 No. 2 • 370th Consecutive Monthly Issue • Baraboo, Wisconsin • February 2001

2001 Wisconsin QSO Party

Sunday, March 11, 2001
12 noon to 7 p.m. CST

(1800Z March 11 - 0100Z March 12)

See page 7 for rules and form.

The Wisconsin QSO Party is sponsored annually by the West Allis Radio Amateur Club.

QCWA will be on the High Seas in Late October

By Larry McCalvy, WA9JMO

During the Open Forum at the September 1999 QCWA International Convention in St Louis, Mo, I made a bid for Wisconsin Chapter 162 to host the Convention in 2001. I added a twist to the traditional normal two-day conference held yearly at large convention hotel complexes across the North American Continent. I offered to host the group on a cruise ship, for a week, and exchange the conference forums with exotic ports of calls. An excited buzz permeated throughout the balance of the convention; attendees I encountered during the rest of the weekend expressed feelings of adventure and said that it sounded like a wonderful idea and to go for it! The amazing thing, at least to me, was that no one said that my idea was impractical!

Armed with a whole lot of enthusiasm, I perceived my first hurdle as the International Board of Directors; I had to come up with a detailed proposal that included all costs and a complete cruise itinerary, before they would even consider my option. But the real first task was to convince my local chapter to take on this project. They must have suspected my plans to introduce this topic at our upcoming November 1999 business meeting, because at our October Annual meeting and Election, I was "elected" to the post of president, and I had not offered my name to the nomination committee. I suspect they thought if I was going to saddle the group with all that work, it was going to be my task to ride it to the finish.

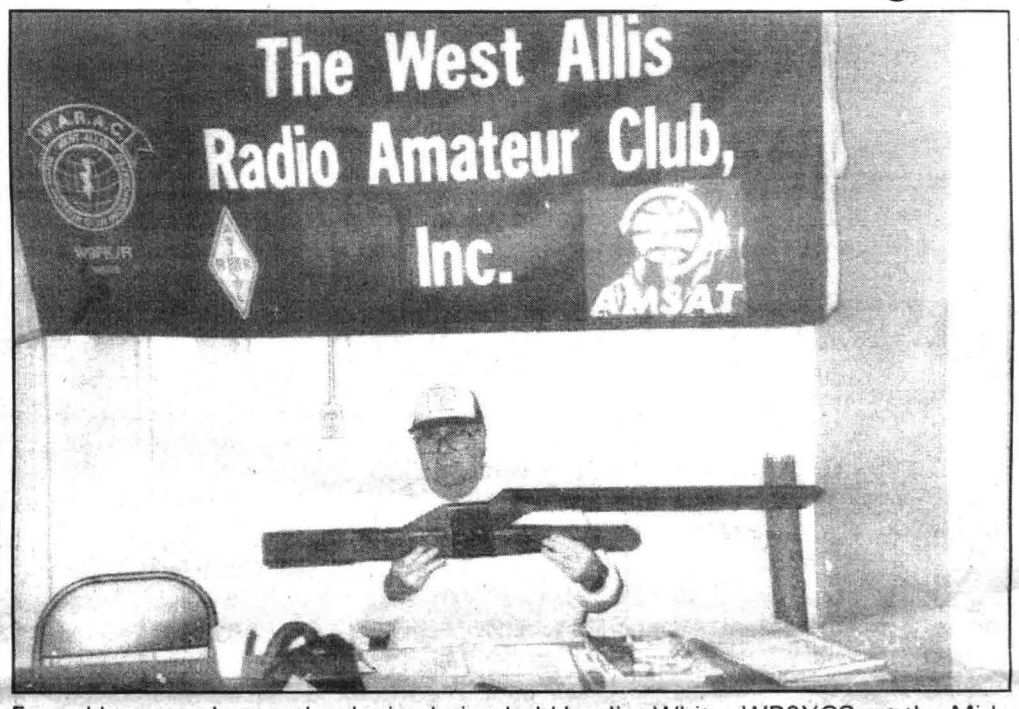
The International President appointed a committee to research the feasibility of the proposal. An informal survey conducted by Duke Knief, W4DK, our International Treasurer, appeared in the Spring 2000 issue of the *QCWA Journal*. Duke asked if (a) you plan to attend the October 2000 convention in Toronto; (b) you would be interested in a cruise convention; (c) a seven-day cruise would be ok or would you prefer a shorter one; (d) a cruise doesn't interest you, why not; and (e) What is your call?

Forty QCWA members responded that they were interested in a cruise type convention and seven said maybe; most preferred a seven-day outing. Several cruise travel agencies were contacted, and after much haggling with the cruise line representatives (there were several) and the travel agencies staff, the Holland America Westerdam cruise ship departing Fort Lauderdale, Florida on October 27, 2001, for an 8-day adventure around the eastern Caribbean was selected. The ship's itinerary, a list of discounted cabin prices, and early perks – a ship sponsored cocktail party for our group and free round-trip bus service for anyone in Florida - were detailed in a letter to the cruise committee and the QCWA Board. The cruise committee bought the idea and so did the full QCWA Board of Directors. The latter did so with one stipulation; in order to get the Board's approval, President Gary Harrison, KØBC, agreed to hold the annual convention board meeting at a local hotel the day before the cruise sailed.

Now I am not really sure if Chapter 162

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Oh, oh!! It's the Wouff Hong!!



Feared by many hams, the device being held by Jim White, WB9YCS, at the Mid-Winter Swapfest, is the dreaded Wouff Hong.

Photo by Don Michalski, W9IXG

Every amateur should know and tremble at the history and origins of this fearsome instrument for the punishment of amateurs who cultivate bad operating habits and who nourish and culture their meaner instincts on the air.

It was invented - or at any rate, discovered - by "The Old Man" himself, just as amateurs were getting back on the air after World War One. "The Old Man" (who later turned out to be Hiram Percy Maxim, W1AW, co-founder and first president of ARRL) first heard the Wouff Hong described amid the howls and garble of QRM as he tuned across a band filled with signals which exemplified all the rotten operating practices then available to amateurs, considering the state of the art as they knew it. As amateur technology and ingenuity have advanced, we have discovered many new and improved techniques of rotten operating, but we're ahead of our story.

As The Old Man Heard it, the Wouff Hong was being used on some hapless offender so effectively that he investigated. After further effort, "T.O.M." was able to locate and identify a Wouff Hong. He wrote a number of *QST* articles about contemporary rotten operating practices and the use of the Wouff Hong to discipline the offenders.

Early in 1919, The Old Man wrote in *QST* "I am sending you a specimen of a real live Wouff Hong which came to light out here .. Keep it in the editorial sanctum where you can lay hands on it quickly in an emergency." The "specimen of a real live Wouff Hong" was presented to a meeting of the ARRL Board and *QST* reported later that

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Swapfests and Other Social Events — Club Meetings
Amateur Radio Exam Schedules

Edited by Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901 • kebneter@palacenet.net

Swapfests

And Other Social Events

SATURDAY, JANUARY 6, 2001 29th Annual Midwinter Swapfest Waukesha Exposition Center Sponsored by the West Allis Radio Amateur Club http://www.WARAC.org

TUESDAY, FEBRUARY 27, 2001 Red Cedar Repeater Association Auction American Legion Post 53 634 Water St., Eau Claire WI Information: Steve Hart, KA9OMC (715) 665-2374.

SUNDAY, MARCH 4, 2001 SEWFARS Swapfest Waukesha Expo Center 8 a.m. to 2 p.m. Setup starts at 6 a.m. Talkin: 146.82 PL 127.3 Reservation deadline: February 23, 2001 Info: (262) 835-7035

SUNDAY, MARCH 11, 2001 Wisconsin QSO Party Sponsored by the West Allis Radio Amateur Club http://www.WARAC.org

SUNDAY, MARCH 18, 2001 Hamfest 2001 8 a.m. to 2 p.m. Jefferson County Fairgrounds Activity Center, Hwy. 18 West Jefferson, WI Sponsored by Tri-County ARC Talkin on 145.49 repeater Info: TCARC, 213 Frederick Street, Fort Atkinson, WI 53538 (920) 563-6381 evenings (920) 563-9551 (FAX) tri-countyarc@globaldialog.com

SUNDAY, MARCH 25, 2001 NS9RCfest Formerly LAMARSfest Lake County Fairgrounds Grayslake, IL Sponsored by North Shore Radio Club, Box 1066, Highland Park IL 60035 http://www.ns9rc.org

SUNDAY, APRIL 8, 2001 Madison Swapfest Mandt Community Center 400 Mandt Parkway Stoughton, WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P.O. Box 8890, Madison WI 53708-8890 Info Line: (608) 245-8890

SATURDAY, MAY 5, 2001 Ozaukee Radio and Computer Swapfest 8 a.m. to 1 p.m. Circle B Recreation Center, Intersection of Highway 60 and County Y Info: Ozaukee Radio Club W55 N865 Cedar Ridge Drive Cedarburg, WI 53012

SATURDAY, JUNE 9, 2001 Eau Claire Amateur Radio Club Hamfest 2001 Information: Jim Staatz, KG9RA P.O. Box 1867, Eau Claire WI 54702-1867 Web: http://www.ecarc.org Email: w9eau@ecarc.org

SATURDAY, JULY 7, 2001 Hamfest 01 South Milwaukee Amateur Radio Club American Legion Park, Oak Creek Info: Verne at (414) 762-3235

SATURDAY, AUGUST 11, 2001 Circus City Swapfest Sauk County Fairgrounds, Baraboo, WI 7 a.m. until noon Sponsored by Yellow Thunder Amateur Radio Club Info: http://members.baraboo.com/sschulze/hamfest.htm

SATURDAY AND SUNDAY, SEPTEMBER 22 AND 23 Radio Expo 2001 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Info: Voice mail and FAX - (708) 457-0966 http://www.chicagofmclub.org

As a service to our readers, this section is available without charge to list your upcoming swapfest, hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to kebneter@palacenet.net.

CLUB MEETINGS

Full club meeting information starts on page 9.

The Test Point

Amateur Radio Examination Locations and Schedules in the Wisconsin Area

February 02, 2001	Sioux City, IA
February 03, 2001	Oshkosh (Omro), WI
February 03, 2001	St. Paul, MN
February 03, 2001	Racine, WI
February 08, 2001	Apple Valley, MN
February 10, 2001	Blaine, MN
February 10, 2001	Madison, WI
February 10, 2001	Eau Claire, WI
February 17, 2001	La Crosse, WI
February 17, 2001	Loves Park, IL
February 17, 2001	Milwaukee, WI (BE)
February 17, 2001	Cottage Grove, MN
February 20, 2001	Eden Prairie, MN
February 24, 2001	Bloomington, MN
February 24, 2001.	Milwaukee, WI (MRAC)
February 24, 2001.	Tomahawk, WI
March 03, 2001	Oshkosh (Omro), WI
March 03, 2001	St. Paul, MN
March 03, 2001	Adams, WI
March 03, 2001	Racine, WI
March 08, 2001	Apple Valley, MN
March 10, 2001	Blaine, MN
March 10, 2001	Madison, WI
March 17, 2001	Loves Park, IL
March 17, 2001	Milwaukee, WI (BE)
March 17, 2001	Cottage Grove, MN
March 18, 2001	Jefferson, WI
March 20, 2001	Eden Prairie, MN
March 20, 2001	Sheboygan, WI
March 24, 2001	Appleton, WI
March 24, 2001	Bloomington, MN
March 24, 2001.	Milwaukee, WI (MRAC)
March 24, 2001	Tomahawk, WI
March 30, 2001	Sioux City, IA
March 31, 2001	Menomonie, WI
April 07, 2001	Oshkosh (Omro), WI
April 07, 2001	St. Paul, MN
April 07, 2001	Racine, WI
April 12, 2001	Apple Valley, MN
April 14, 2001	Madison, WI
April 14, 2001	Blaine, MN
April 17, 2001	Eden Prairie, MN

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. kebneter@palacenet.net

EDITOR: Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031. smokesigs@baraboo.com

TREASURER: Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage WI 53901.

EDITORIAL BOARD: Ken Ebneter, K9EN; Don Evenson, K9JYX; Jim Romelfanger, K9ZZ.

Subscription Rate

1 year (12 issues) $13.95

Subscription form is on page 5. Special club package reduced rates are available. For information, contact Ken Ebneter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebneter.

Editorial material, photographs, and feature articles should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebneter.

Club, swapfest, and Test Point information should be sent to Ken Ebneter.

Swapfest ADS should be sent to Jim Romelfanger NO LATER THAN EIGHT WEEKS BEFORE THE EVENT'S DATE.

Subscriptions should be sent, with check or money order, to Ken Ebneter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.**

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Badger State Smoke Signals is incorporated as a Wisconsin non-stock, non-for-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

April 21, 2001	Eau Claire, WI
April 21, 2001	Loves Park, IL
April 21, 2001	Milwaukee, WI (BE)
April 21. 2001	Cottage Grove, MN
April 28, 2001	Bloomington, MN
April 28, 2001	Milwaukee, WI (MRAC)
April 28, 2001	Tomahawk, WI
May 05, 2001	Racine, WI
May 05, 2001	Oshkosh (Omro), WI
May 05, 2001	St. Paul, MN
May 10, 2001	Apple Valley, MN
May 12, 2001	Blaine, MN
May 12, 2001	Madison, WI
May 12, 2001	Appleton, WI
May 15, 2001	Eden Prairie, MN
May 19, 2001	La Crosse, WI
May 19, 2001	Cottage Grove, MN
May 19, 2001	Loves Park, IL
May 19, 2001	Sheboygan, WI
May 26, 2001	Bloomington, MN
May 26, 2001	Milwaukee, WI (MRAC)
May 26, 2001	Tomahawk, WI
June 02, 2001	Oshkosh (Omro), WI
June 02, 2001	St. Paul, MN
June 02, 2001	Adams, WI
June 02, 2001	Racine, WI
June 09, 2001	Eau Claire, WI
June 09, 2001	Madison, WI
June 09, 2001	Blaine, MN
June 09, 2001	Eau Claire, WI
June 12, 2001	Eden Prairie, MN
June 14, 2001	Apple Valley, MN
June 15, 2001	Sioux City, IA
June 16, 2001	Sioux City, IA
June 16, 2001	Cottage Grove, MN
June 16, 2001	Milwaukee, WI (BE)
June 16, 2001	Loves Park, IL
June 23, 2001	Bloomington, MN
June 30, 2001	Milwaukee, WI (MRAC)
June 30, 2001	Tomahawk, WI
July 07, 2001	St. Paul, MN
July 07, 2001	Oshkosh (Omro), WI
July 12, 2001	Apple Valley, MN
July 14, 2001	Blaine, MN
July 14, 2001	Madison, WI
July 17, 2001	Eden Prairie, MN
July 17, 2001	Sheboygan, WI
July 21, 2001	Cottage Grove, MN
July 21, 2001	Loves Park, IL
July 28, 2001	Milwaukee, WI (MRAC)
July 28, 2001	Tomahawk, WI
July 28, 2001	Bloomington, MN
August 10, 2001	Sioux City, IA
August 18, 2001	Appleton, WI
September 01, 2001	Adams
September 01, 2001	Racine, WI
September 15, 2001	La Crosse, WI
September 15, 2001	Sheboygan, WI
October 06, 2001	Racine, WI
October 12, 2001	Sioux City, IA
November 03, 2001	Menomonie, WI
November 04, 2001	Kaukauna, WI
November 20, 2001	Sheboygan, WI
December 01, 2001	Adams, WI
December 01, 2001	Racine, WI
December 07, 2001	Sioux City, IA
December 15, 2001	La Crosse, WI
January 26, 2002	Appleton, WI
Monthly, 1st Sat.	Oshkosh (Omro), WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat. (September through April)	Milwaukee, WI (BE)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat. (except December)	Milwaukee, WI (MRAC)
Monthly, Last Sat. (January thru October only)	Tomahawk, WI

Amateur Radio Examination Locations and Schedules in the Wisconsin Area

We need a lot of updates from a lot of VE teams. **Please use the email link provided so prospective examinees will know of your sessions. Check your group's listing. Thanks.**

GENERAL RULES FOR MOST EXAMINATIONS: Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

http://www.fcc.gov/formpage.html
or
ftp://ftp.fcc.gov/pub/Forms/Form605.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2001 test fee at $10.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

http://www.arrl.org/arrlvec/examsearch.phtml

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC

MILWAUKEE RADIO AMATEURS CLUB (MRAC/VEC) MILWAUKEE

Last Saturday, except June, July, and August, 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road, Milwaukee. For additional information, call (262) 797- MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such a driver's license, etc. Also required is $6.65 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, PO Box 25707, Milwaukee, WI 53225.

BADGER EXAMINERS (BE) - MILWAUKEE

September thru April, every third Saturday morning, 9:30 a.m. to noon, Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee. Exams are given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is $6.35, and bring your original license, or CSCE if needed. Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is $35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

EAU CLAIRE, WI
EAU CLAIRE AMATEUR RADIO CLUB

April 21, 2001. 9 a.m. to 11:30 a.m. South Middle School, North East Side Door 7, 2115 Mitscher Ave., Eau Claire. Walkins welcome.

Saturday, June 9, 2001. 9 a.m. to 11:30 a.m., Eau Claire Hamfest. Held at Eau Claire Exposition Center, Lorch Avenue, Eau Claire. Walkins welcome. Examination Session Coordinator: Steve Bluem, KA9OMY, ka9omy@arrl.net. Telephone: 715.839.6509. Sponsored by the Eau Claire Amateur Radio Club. Web page: http://www.ecarc.org Email: w9eau@ecarc.org

FRIENDSHIP, WI March 3, June 2, September 1, and December 1, 2001. Exams given from 2 p.m. to 5 p.m. at Adams County Electric Cooperative, Community Room, 401 E. Lake St. (CTH J), Friendship, WI. Exam fee: $10.00.

All candidates should bring appropriate identification which bears a photo and signature. Candidates must present the original document of any current Amateur Radio license or CSCEs. A photocopy of the original documents must be sent along with the session paperwork. Walkins are permitted, but advance registration is appreciated. A candidate wishing to retest for the same element will be allowed to do so, provided the VE team has appropriate time and an additional exam fee is paid. There are no free exam elements.

Note that beginning June 1, 2001, multiple choice format Morse code tests will not be allowed. Code tests will be "fill in the blank" format only. Solid copy conditions will remain the same. Candidate registration may be submitted to Wayne Hemrbook, KB9NLQ, at 608.339.4169. Questions may be directed to Karl Simonson, KS9E, at 847.244.0802 or 847.778.0247. Karl Simonson, KS9E

MADISON, WI

First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and a check for $6.65 made out to the ARRL/VEC. If the special form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me. Dates: September 2, October 7, November 4, December 2, 2000, and January 6, 2001.

Questions may be directed to Tim Czerwonka, WO9U, at (608) 233-9829 (home phone) or sent to wo9u@arrl.net.

MENOMONIE, WI

Saturday, March 31, 2001, and Saturday, November 3, 2001. The location will be the U.W.-Stout's Millennium Hall 9 (the new Communications Building), at the corner of Broadway and 10th Avenue on the U-W Stout Campus in Menomonie, Wisconsin. Walkins only. Arrive between 9 and 11 a.m. For information, contact Jim Ley, NX9F, (715) 235-3998 (H), or (715) 232-1397 (W).

STEVENS POINT, WI - ARRL/VEC-UPDATE NEEDED

All levels of amateur exams. Room A107 of the UWSP Science Building, on campus, corner of Fourth and Reserve Streets. For questions, directions, or further information, contact Joe Larson, N9JW, at 715-344-1182 evenings or email to joel8@bigfoot.com.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walkins are permitted. Talk in on 147.87/.27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551.

TOMAHAWK, WI

Last Saturday of every month, January thru October. Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No advance registration required, but appointment would be appreciated. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

APPLETON, WI - ARRL/VEC
MANITOWOC, WI (HAMFEST)
KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. For Ap-

(continued on page 15)

From the Section Manager

Don Michalski, W9IXG

SM: Don Michalski, W9IXG, SEC: WB9RQR, STM: K9LGU, ACC: K9FHI, SGL: AD9X, OOC: W9RCW, PIC: K9ZZ. TC: K9GDF, ASM: K9UTQ, W9RCW, W9CBE. BM: WB9NRK.

It is with deep regret that I inform you that Ralph Shannon, W9MGP, is a S.K. Ralph was a member of FLARC and Madison DX Club.

Gene Gould, KB9QIW, member of RRRC, died in a boating accident on his honeymoon.

RMRA/RMATS received donation of a complete C/KU satellite receive system from Wausau Insurance Co. It will now provide an ATV repeater "on site" system.

How about your club touring the Point Beach Nuclear Power Plant near Manitowoc? Hams support the simulated NPP emergencies so this is a good opportunity to see what makes them run. 2.5 hour club tours are available. Advanced reservations required. Call (800) 880-8463 for details and reservations.

Volunteers are needed to help run the BSSS; this includes incoming subscriptions, and bulk mailing. A paid BSSS advertisement job is available. Please support your state ham newspaper! Contact Jim, K9ZZ, at k9zz@arrl.net. (608) 356-4031.

9RN report for October shows 98% Wisconsin participation!

Congratulations to Jane, KB9USE, for upgrading to Extra!

Nominations are needed for 3 ARRL Instructor of the Year Awards, Excellence in Recruiting Award, Hiram Percy Maxim Award, and 3 Technical Awards. Any Ham, club, VE, or student may recommend to me deserving individuals. I need your input NOW!! Go to

www.arrl.org/ead/instructor/instructor/grants.html

for more information.

Congratulations to Bill Stolte, N9VBJ, for receiving Certified Emergency Manager certificate at Governors Conference.

73, Don, W9IXG

Tri-County Amateur Radio Club
Presents:

HAMFEST 2001
Sunday, March 18

Jefferson County Fairgrounds
Activity Center
Hwy 18 West, Jefferson, WI
from 8:00 AM until 2:00 PM

A SPECIAL NOTE TO VENDORS:

• Vendors will be admitted at 7 AM - OTHERS AT 8 AM ONLY.

• Vendors only parking will be provided for unloading.

TALK IN ON THE 145.49 REPEATER

ADMISSION: $4.00 Table Space 8 Foot @ $6.00 each

RESERVE YOUR SPACE EARLY!

TCARC Contact Info:

TCARC, 213 Frederick Street, Fort Atkinson, WI 53538

920-563-6381 evenings

920-563-9551 (FAX)

tricountyarc@globaldialog.com

ARRL Board Approves Dues Increase, Alters Morse Position

Meeting in Irving, Texas, January 19 and 20, the ARRL Board of Directors voted to increase membership dues from $34 to $39 annually for full members younger than 65, and from $28 to $34 for full members 65 and older. The dues hike goes into effect July 1, 2001. The last ARRL dues increase was in July 1997.

The dues increase resulted from a need to fund initiatives to expand the League's advocacy activities on behalf of Amateur Radio--including the defense of amateur spectrum--and to enhance ARRL Headquarters' abilities to serve members during a period of projected deficits. The Board okayed a $1 greater increase for seniors in an effort to narrow the dues gap, as more and more ARRL members fall into the senior category.

At the same time, the Board approved the hiring of development and sales and marketing professionals on the Headquarters staff as part of an overall plan to augment revenues.

"The ARRL carries out a lot of activities that no longer can be fully funded by dues or publication sales revenues," ARRL Executive Vice President David Sumner, K1ZZ, explained. While voluntary contributions towards Amateur Radio advocacy are helping greatly, "we need to professionalize these activities if we are going to sustain them," he said.

The Board also revised its position on whether Morse code proficiency should continue to be an international requirement to license operation below 30 MHz. The Board approved a resolution that "recognizes and accepts" that the Morse requirement likely will be dropped from Article S25 of the international Radio Regulations at the 2003 World Radiocommunication Conference. But the Board held the line on retaining a domestic Morse requirement, saying that each country should be allowed to determine for itself whether it wants to have a Morse code requirement.

The Board's Morse Code resolution declared that deletion of the Article S25 international requirement at WRC-03 "should not automatically or immediately mean a similar removal of the Morse code from Part 97 of the FCC rules." Morse code, the Board affirmed, deserves continued support as an important operating mode as well as in terms of spectrum and "should be retained as a testing element in the US." The resolution also called on ARRL Headquarters staff to "develop a program designed to promote the use of Morse."

The resolution supersedes all previous Board policy statements regarding Morse code and Article S25.

The Board has adjusted the management structure at ARRL Headquarters. Publications Manager and QST Editor Mark Wilson, K1RO, will serve as the ARRL's Chief Operating Officer. In that position, Wilson will oversee sales and marketing, publications, field volunteer and membership services, the ARRL Lab, and other day-to-day Headquarters activities.

The Board also established a committee to solicit membership input to update the ARRL's position on refarming the HF Novice bands "in light of the 1999 FCC license restructuring Report and Order." The five-member panel will be named by President Haynie. It will report to the board in one year.

ARRL Bulletin 002

Silent Key

John P. Klein, K9OGT, 56, Kewaunee, died January 1, 2001.

John was a member of the Rock River Radio Club. He also enjoyed hunting and trap shooting at Pumpkin Center.

John was preceded in death by his parents, Jack (W9YOA) and Doris. He is survived by his wife Linda, a step-daughter a step-son, two children, and two brothers, Robert (K9RTB) and Charly, a sister, Kathleen, and aunts, uncles, nieces, nephews, relatives and friends.

- Daily Citizen via
Don Michalski, W9IXG

"Menard's Guy" in mourning

That familiar happy face and the blue sweater have been absent from our TV screens for two years.

Ray Szmanda, KB9JPB, Antigo, "The Menard's Guy" has been off screen with a higher priority. Ray's wife, Maxine Ann, passed away of lung cancer in November, 2000, according to a story in the Appleton *Post-Crescent*. For two years, Ray devoted all of his time and energy to help his wife try to beat that illness.

And that time and that loss have taken a toll on Ray. The newspaper account says he is emotionally drained, shuttling in his GMC Yukon between the homes of his family around the state, as his adult children arrange activities for his distraction.

In a telephone conversation with me, Ray told me he is just now getting accustomed to coming home and finding nobody else there.

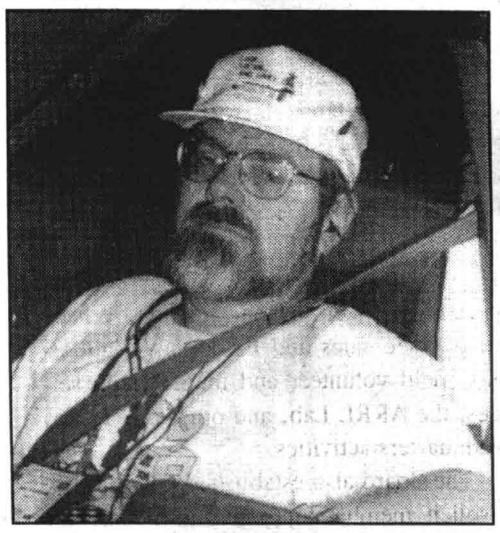
But not all is negative. Ray is a positive fellow. And though he mourns his loss, his thoughts are also of Menard's and those enthusiastic commercials that have made him a midwest legend.

Ray does not do those TV spots to be a legend. He does them because he enjoys the work. The enthusiasm he delivers on screen may be a little "pumped up", but it's the real Ray.

We all wish Ray well as he goes through a very difficult time. And we'll be watching for the friendly face and that blue sweater on TV. He will be back when he's ready.

Jim Romelfanger, K9ZZ

And the chase is on



This fellow is part of a crew which helps with communications and GPS for the annual run of the Great Circus Train. But he never is aboard. He is Ron Armstrong, WB9WRW, who drives a chase van all along the entire route, carrying spares for everything. He meets the train at every crossing, and takes those opportunities to do a "lookover" to be sure all is well.

AO-40 report suggests damage to antenna systems

The latest information from the AO-40 recovery effort suggests that the satellite might have suffered antenna system damage when it went silent last December 13. The satellite stopped transmitting while ground controllers were testing the 400-newton propulsion system aboard AO-40.

Since the satellite's computer was reset and telemetry resumed December 25, the AO-40 ground team has been analyzing telemetry sent via the 2.4 Ghz beacon--the only transmitter now operating.

AMSAT-DL Vice President and AO-40 team member Peter Guelzow, DB2OS, said this week that efforts to restart the 2-meter transmitter were unsuccessful. The satellite was sending telemetry via the 2-meter transmitter when it went quit transmitting last month. Guelzow said telemetry seemed to indicate that the VHF transmitter was working during the test, but no signal was heard. Additional tests are scheduled.

Guelzow reiterated this week that while the 2-meter, 70 cm and 1.2 Ghz receivers are working on the high-gain antennas, none of them will receive signals using the omnidirectional antennas. "Either the omni antennas are damaged or the cabling or the antenna relays," Guelzow concluded.

The satellite's 70-cm transmitter -- problematic since launch -- will be tested on both the high-gain and omnidirectional antennas once the spacecraft's spin rate has been reduced and AO-40's heat-dissipation mechanism -- the so-called "heat pipes -- start working again.

Guelzow said that AO-40's attitude control system is fully functional -- something that would be critical to keeping the satellite in orbit on a long-term basis. Guelzow explained that because the sun angle is now about 60 degrees, the sun sensor's electronics are temporarily disabled. "Without sun and attitude information, no magnetorquing can be performed, thus no further attitude or spin change was done," he said. AO-40 team leader Karl Meinzer, DJ4ZC, is developing a software fix that does not rely on data from the sun sensor.

Guelzow expressed the hope that once the sun angle and antenna-pointing capabilities have been established, the ground crews will have a better chance to check out the status of the 2 meter and 70 cm transmitters through "better-controlled and suitable experiments." He indicated that AO-40's arcjet thrusters and the reaction wheels also will undergo testing as soon as possible.

Meinzer recently expressed confidence that, despite its problems, AO-40 will be functional in the future -- although its mission likely will be different from the one planned prior to launch.

AMSAT-UK's Richard Limebear, G3-RWL, has suggested that AO-40 could at least be used for "some kind of 400 baud PSK digital communication" via one of the onboard computers. Limebear said that if the IF matrix is functional, then, SSB or CW via a linear transponder would be possible. "If AO-40 reaches such a state, we will get as much or more than AO-10 and AO-13 offered, only on more state-of-the-art frequencies," he concluded.

The ARRL Letter

This year, the Great Circus Train will load in Baraboo July 6, and the colorful journey thru Wisconsin will be July 7 - 9. Look for W 9 D.

NS9RC Fest

www.ns9rc.org

formerly known as LAMARSfest

Lake County Fairgrounds / Grayslake, Illinois
All Indoor Radio, Electronic, Computer Swapfest

03/25/01

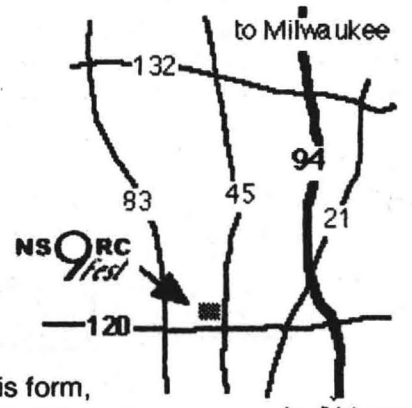
Doors open at 8 AM. Set-up at 6 AM.

Admission $6 at the gate / $5 in Advance!
Advance Tickets have Double Stubs

V.E. Testing 9 AM to Noon

Hourly Prize Drawings Free Parking Cafeteria Open

Talk-in Simplex 146.52 & NSRC Repeater 147.345 +.600



To order your NS9RCfest Exhibitor Tables or Advance Tickets fill in this form, include a check, a SASE (self addressed stamped envelope) and mail all three to;

North Shore Radio Club / P.O. Box 1066 / Highland Park, IL 60035
--- Do Not Mail after March 9th 2001 ---

Commercial section table _____ @ $25 each =$_____
Swapfest tables -- on the Wall _____ @ $15 each =$_____
Swapfest tables --in the center _____ @ $10 each =$_____
Electricty @ $5 =$_____
Advance Tickets (each attendee MUST have a ticket) _____ @ $5 each =$_____
Advance Tickets have Double Stubs

Total=$_____

Table Preference _____

Name _____

Address _____

City _____ State _____ Zip _____

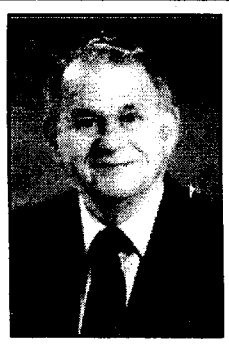
Telephone _____ Email _____

Call Sign _____

Please Don't Forget that SASE !!

For more information Call 847 291-4160
No sales of firearms or food products will be permitted.

The Computer Corner



By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346

No. 87. Bits, Bytes, Sectors and Clusters

It is always easiest to learn something new by exploring how it is like something we already know about. That is why analogies are so darn useful. In this issue, we will explore some analogies between the computing world and chemistry, but you won't need to know very much chemistry to make the jump.

The basic building block in the chemical world is the atom or element. The atom is the smallest unit of matter, as we know it. An atom of iron has certain properties that make it iron. If we break an atom of iron down to its constituent parts, it is no longer iron. Calcium, oxygen, lithium, cobalt are all atoms. There are somewhat over 100 different atoms (elements), and everything we know of (including our own bodies) are made of them.

In the computing world, the smallest unit is the bit. Furthermore, there is only one kind of bit, not over 100 as is the case with atoms. The difference is, a bit can be in one of two states. It can be on or off, which is the same as 1 or 0, which is the same as yes or no. Like the toggle switch that turns the lights on or off in your bedroom, it can be in one of two states, and always must be in one or the other. You cannot turn your bedroom light toggle switch half on (forget about dimmer switches for the moment, please!). It clicks to the on position or to the off position. That is it. A computer is nothing more than millions of toggle switches. However, we arrange them in specific, useful ways.

In the chemical world, the next unit up from the element or atom is the compound. A chemical compound is merely a combination of atoms stuck together in some specific proportion, and arranged in some specific way. A compound can be composed of two atoms (carbon monoxide is one atom of carbon and one of oxygen). Or it may be composed of three (rust is one atom of iron and two of oxygen), or four (carbon tetrachloride is one atom of carbon and four of chlorine) or many more. In the computing world, the next step up from the bit is the byte. A byte is simply an adjacent bank of 8 identical bits. They are identical in that all eight are simply toggle switches. What makes them different is their state. Some may be on, some may be off. It is the pattern of on-ness or off-ness among the 8 bits that makes that byte different from other bytes. With a bank of 8 wall switches, there are 256 unique possible patterns of on-off. The table below shows an example of two patterns. The two examples show how the English letter A (upper case) and e (lower case) are represented inside your computer. By the way, please excuse the numbering of the wall switches, shown in the shaded heading of the table. Computer engineers are a weird lot. They start numbering things from the right. Also, no one ever taught them to count properly, so they think the first thing in a series is number zero, the second is number one, and so on. You and I would number those 8 wall switches 1..8, but they number them 0..7, and backwards at that. Weird!

	7	6	5	4	3	2	1	0
A	0	1	0	0	0	0	0	1
e	0	1	1	0	0	1	0	1

See the difference? The only thing not the same between the two letters of the alphabet are bit 2 and 5. Both of those wall switches are off in the letter A and on in the letter e. When you press the letter e on your keyboard, a chip translates that into 011001-01 and sends it to the brain of the computer, the Pentium chip. All the other characters have unique bit patterns, too.

There is another basic unit in the computing world, one step up from the byte, but I really cannot think of any good analogy in the chemical world without getting into polymer chemistry or some other highly specialized subfield. Therefore, we will have to take it as it is. This next-step basic unit deals not with how data is represented in a computer, but rather how much can be handled at a time when writing data to a floppy disk or a hard disk. You see, all software and hardware in the PC world adheres to a single standard, the sector. If you will read the following paragraph, it pretty much explains itself.

> This paragraph is composed of exactly 512 characters and spaces, which emulates one sector in the computer world. A sector is defined as exactly 512 bytes of data, the smallest "chunk" of data that can be written to the surface of a floppy or hard disk at one time. This standard is built in to all hardware devices and software sold today for PCs. There are 18 sectors per track and 80 tracks on each side of a standard 3½-inch, 1.44 Mb floppy disk, so 2,880 of these paragraphs would fit on a single floppy.

When I created this paragraph, the box surrounding it was just about the size of a 3 x 5 inch card, to give you some idea of size. The words fit nicely on the card, with a good margin of white space around them. As noted by the paragraph itself, it represents exactly 512 byes, or one sector. A standard floppy would hold 2,880 copies, each consisting of 512 bytes. If you do the math, 2,880 x 512 = 1,474,560. However, remember that computer geeks are weird. A kilobyte in the computer world is not 1,000 bytes. Rather, a kilobyte is 1,024 bytes, so you must divide the result by 1,024. Dividing 1,474,560 by 1,024 yields 1,440 kilobytes, or 1.440 megabytes, the capacity of a standard 3½-inch floppy. How about that, it works out perfectly!

There is one more level above sector. It is the cluster, also known as the file allocation unit. As its second name hints, it is defined as the smallest amount of data that can be written (or allocated) to a file on a floppy or hard disk. In terms of bytes, it may be as small as one sector or 512 bytes. That is the case with a standard floppy, where one cluster is equal to one sector. On the other hand, some hard drives sport clusters as large as 64 sectors. If I write just WB9RQR to a simple text file on such a hard drive, the data will takes only 6 bytes of space. However, the file containing this data will actually occupy 64 x 512 = 32,768 bytes. None of the unused 32,760 bytes are available for any other purpose until the file is erased. Not very efficient!

Well, there you have it. You have learned about the truly fundamental units in the computing world, bit, byte, sector and cluster. Sometimes, these words are important in other fields, too. This holiday season, there were clusters of grapes and other goodies on the table. Quite often (too often), I bit into a sector of pie. Every byte was good! I hope your holiday season was as good as mine was. Happy computing.

Reprinted, by permission, from the ORC Newsletter, *Ozaukee Radio Club (Ted Schweitzer, KB9RLI, Editor, 126 Lilac Lane, Belgium, WI 53004. <theo@execpc.com).*

High Seas for QCWA

Continued from front page

was granted the privilege of hosting this event because it is such a wonderful opportunity, or because there were no other offers. However, I do know that after the gang returns to their homes, our cruise taking Hams will have experienced one of the most exciting weeks of their lives.

The country of registry for the Westerdam and most of our ports of call are signatories to the CEPT agreement – European Conference of Postal and Telecommunications Administrations. Basically, to operate a transceiver in any of these countries, US Amateurs need to have three things with them when traveling to a participating CEPT country: (1) Bring their current US license; (2) Bring proof of US Citizenship (generally in the form of a passport – but anything that officially shows US Citizenship); (3) Bring a copy of the FCC's Public Notice that details what US Amateurs need to consider, and bring with them, when traveling to a CEPT country – this notice must be in three languages – English, French and German. PLEASE NOTE! I have this form in the required format and will have enough copies for all our cruise travelers!

Written permission has been secured from the Holland America Cruise line, to operate an HF station from the back of the ship. At this time the committee is contemplating using a special event call for the duration of the cruise announcing to the world what a wonderful time we are all having.

On Tuesday, October 30, 2001, the Westerdam's Port of Call is San Juan, Puerto Rico. A 90-minute drive from the port is the Arecibo Observatory, home to the world's largest telescope (where the Jodie Foster movie "Contact" was filmed) used to monitor radio signals from the galaxies. A great interest was expressed in touring the facilities; in fact, six of our Floridian Amateurs stated that they would only sign on the cruise if we could guarantee a site visit. In checking the Observatory's visitation schedule, we found it was closed on Tuesdays. Never underestimating the resourcefulness of the Ham community, a mild SOS was sent via email to several known resourceful hams requesting aid to overcome this dilemma. It seems that someone knew someone that once worked at the Observatory. Email messages sent to these folks produced a ham contact currently at the Arecibo site. A message explaining our problem and desire to that ham brought a quick reply stating that he would be most happy to escort our group a special tour! Wonderful!!!

Another Ham, a retired Electrical Engineer with ties to the NASA space program is working to entice a few of our Amateur Radio licensed U S Astronauts to come along for the adventure.

Several other free spirited radio operators have offered to contact a few Entertainers in the music field who also hold ham calls to see if they might care to sign on-board as ship's entertainment, if their schedule permits; if they would be available during the day to socialize with our party and possible help operator our HF setup.

We also are trying to make arrangements to meet with the Virgin Island Radio Club in St Thomas, USVI for a luncheon or just a plain old gabfest. And shopping in St Thomas is to die for!! One can find, real honest to goodness bargains, seven weeks before Christmas on that beautiful island. Depending on one's gift list, one could almost save enough to pay for one's cruise.

Has your interest been piqued?

Currently, 44 cabins of the 100 we have on hold for our group have been booked. The Holland America Westerdam departs Fort Lauderdale, Florida at 5 p.m. Saturday, October 27, 2001 for an 8-day Eastern Caribbean Cruise. Our Ports of Call include Nassau, Bahamas; San Juan, Puerto Rico; Philipsburg, St Maarten; St John & St Thomas, USVI; and a special beach party at Half Moon Cay in the Bahamas.

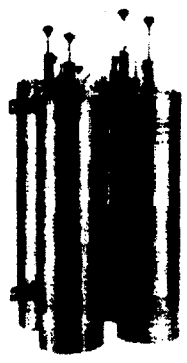
Our onboard group activities, in addition

Please turn to page 12

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FOR 2 METERS

The TX RX Systems Inc. patented Vari-Notch filter circuit, a pseudo-bandpass design, provides low loss, high TX to RX, and between-channel isolation, excellent for amateur band applications. TX RX Systems Inc. has been manufacturing multicoupling systems since 1976. Other models available for 220 and 440 MHz, UHF ATV and 1.2 GHz.



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The 2001 Wisconsin QSO Party

Sponsored by the West Allis Radio Amateur Club

The 2001 Wisconsin QSO Party (WQP) is scheduled to begin at **12 noon CST (1800z) Sunday, March 11, 2001, and will run till 7 p.m. (0100 Z March 12).** The annual 7 hour event is sponsored by the West Allis Radio Amateur Club (WARAC).

WQP is an opportunity to work some of the "rare" Wisconsin counties, due to the many mobiles that take to Wisconsin highways, to operate from "rare" counties, or to operate from as many counties as they can during the 7 hours.

For WQP 2001 the rules have changed:

1. We now have added a POWER LEVEL MULTIPLIER. Contacts made at power levels over 150 watts will be multiplied by one. Contacts made with power levels between 5 and 150 watts will be multiplied by 1.5. Contacts made with power levels less than 5 watts will be multiplied by 2. The corresponding power levels are HIGH, LOW and QRP. Each phone Q will be still be worth one point and each CW Q will still be worth 2 points, in addition to the power level multiplier. Yes, that means that a QRP CW Q is worth 4 points each, while a phone HIGH power Q is worth 1 point each.

2. Each entry can only be submitted with one power level for the entire entry.

3. We have reduced the ENTRY CLASSES to 9, by eliminating two Novice classes and one Technician class.

4. We have extended the entry deadline date to a full 30 days after the contest ends. For WQP 2001, that date will be April 11, 2001.

We would like to note that with this power level multiplier change, all entries should use the 2001 rules/entry form, or reasonable facsimile, to be sure and have their score correct. The 2001 form can be found on our website (www.warac.org) or it can be obtained via a request to our post office box (WARAC, PO Box 1072, Milwaukee, WI 53201). We are going to be distributing the 2001 forms to Wisconsin clubs and hopefully, previous participants.

We also want to note that we are still not able to accept electronic log submission. We still need all entries to be sent to our post office box (address above).

And the last item regarding the new rules, is that our logging program by WA1-UJU will not do the summation correctly. It will still work fine but will not compute the correct final score. That means that those of you who use this logging program will need to manually compute the final score, using the new 2001 WQP rules/entry form.

As in past years, WARAC will again be issuing an award for the HIGHEST SINGLE OPERATOR score, in the form of a plaque and a taste of Wisconsin (cheese). This award will be presented to the TOP single operator score from Wisconsin AND the TOP single operator score from outside of Wisconsin. The other awards listed on the entry form, will also be presented to participants, as in past years.

We are known nationwide as one of the best QSO parties going. Serious contesters, casual operators, county hunters, and everyone in between, will find fun in this one. It's open to hams of all license classes and it offers those interested in getting the "feel" of contesting an enjoyable way to get their feet wet. Even those amateurs who don't usually operate in contests will find fun here, especially if they are in one of the more rare Wisconsin counties. If you are in the "casual" operator category, pop into the contest for an hour or so. You might be surprised how much fun it really is.

When operating, please listen for the weaker signals. They will probably be the mobile stations working hard to provide the rare counties OR the out-of-state stations on one of the higher frequency bands. Wisconsin stations, be sure to call CQ on the higher freq bands to enable the out-of-state stations to fully participate, BOTH on phone and CW.

Remember that ALL ENTRIES need to be postmarked no later than April 11, 2001. No late entries will be allowed. Results will only be available on our website, OR with a request for results included with your entry (for those without internet capability).

We think that this power level multiplier change will make the WQP an even better and more competitive contest. We have had lots of requests for this. Let us know your thoughts.

See you Sunday March 11, 2001!

For WARAC:
Lynn Tamblyn, K9KR
Chairman WQP
email - k9kr@powercom.net

2001 WISCONSIN QSO PARTY RULES

DATE/TIME: **1800Z MARCH 11 - 0100Z MARCH 12, 2001**

MODES: CW and Phone All stations may be worked once per mode on each band.
In addition, mobiles may be worked once per mode per Wisconsin county that they operate from. **Mobiles cannot sit on a county line.**

ENTRY CLASSES:

Single Operator Fixed	Multi Operator Fixed	Multi Xmtr/Multi Op Fixed
Single Operator Mobile	Multi Operator Mobile	Multi Xmtr/Multi Op Mobile
Single Operator Novice	Single Operator Tech	Multi Operator Tech

POWER LEVEL: High, Low, QRP (Only choose one)

EXCHANGE: Wisconsin stations send county.
Non-Wisconsin stations send state or province or country.

FREQUENCIES: CW: 3550, 3705, 7050, 7125, 14050, 15M CW, 10M CW, 6M CW, 2M CW **Suggested**
Phone: 3890, 7230, 14290, 21350, 28400, 6M SSB & FM, 2M SSB & FM Others may be used.

SCORING: Phone contacts count 1 QSO Point. CW contacts count 2 QSO Points. **No repeater QSOs.**
Multiply CW + phone points by power level multiplier to determine CONTACT POINTS.
WISCONSIN STATIONS: Multiply CONTACT points by the sum of Wisconsin counties (max. 72), plus states (max. 50) plus Canadian provinces (max.13) worked. Note: DX countries worked count for QSO points but not as multipliers.
NON-WISCONSIN STATIONS: Multiply CONTACT points by the number of Wisconsin counties worked (max.72).

BONUS: WISCONSIN MOBILES/PORTABLES: Add 500 bonus points for each county that you operate from, outside your home county, with a minimum of **12** QSOs per county to qualify.

LOGS: Entries must contain a log consisting of: Time (GMT), call, band, state/province, Wisconsin county, mode and a complete Score Summary including YOUR name, address and call. Circle new multipliers as worked. Logs containing more than **200** QSOs must be accompanied by a dupe sheet (separate dupe sheet for each mode).
Mobile entries must indicate county changes in log.

Entries must be postmarked by **April 11, 2001** and sent to:

WISCONSIN QSO PARTY
WEST ALLIS RADIO AMATEUR CLUB
P. O. BOX 1072
MILWAUKEE, WI 53201

AWARDS:
NON-WISCONSIN: Awards will be presented to the following:
A. Highest single operator score in the QSO Party.
B. Highest single operator score in each single operator category in each state/province.
WISCONSIN: Awards will be presented to the following;
A. Highest single operator score in the QSO Party.
B. 10 highest single operator scores in each entry class.
C. Highest multi-operator score in each entry class.
D. Highest aggregate club score (club member stations to be located within 50 miles of the club, except mobiles).

WISCONSIN COUNTIES

ADAMS	FLORENCE	MARATHON	RUSK	
ASHLAND	FOND DU LAC	MARINETTE	SAUK	
BARRON	FOREST	MARQUETTE	SAWYER	
BAYFIELD	GRANT	MENOMINEE	SHAWANO	
BROWN	GREEN	MILWAUKEE	SHEBOYGAN	
BUFFALO	GREEN LAKE	MONROE	ST. CROIX	
BURNETT	IOWA	OCONTO	TAYLOR	
CALUMET	IRON	ONEIDA	TREMPEALEAU	
CHIPPEWA	JACKSON	OUTAGAMIE	VERNON	
CLARK	JEFFERSON	OZAUKEE	VILAS	
COLUMBIA	JUNEAU	PEPIN	WALWORTH	
CRAWFORD	KENOSHA	PIERCE	WASHBURN	
DANE	KEWAUNEE	POLK	WASHINGTON	
DODGE	LA CROSSE	PORTAGE	WAUKESHA	
DOOR	LAFAYETTE	PRICE	WAUPACA	
DOUGLAS	LANGLADE	RACINE	WAUSHARA	
DUNN	LINCOLN	RICHLAND	WINNEBAGO	
EAU CLAIRE	MANITOWOC	ROCK	WOOD	

STATES

ALABAMA	LOUISIANA	OHIO	
ALASKA	MARYLAND (D.C.)	OKLAHOMA	
ARIZONA	MASSACHISETTS	OREGON	
ARKANSAS	MAINE	PENNSYLVANIA	
CALIFORNIA	MICHIGAN	RHODE ISLAND	
COLORADO	MINNESOTA	SOUTH CAROLINA	
CONNECTICUT	MISSISSIPPI	SOUTH DAKOTA	
DELAWARE	MISSOURI	TENNESSEE	
FLORIDA	MONTANA	TEXAS	
GEORGIA	NEBRASKA	UTAH	
HAWAII	NEVADA	VERMONT	
IOWA	NEW HAMPSHIRE	VIRGINIA	
IDAHO	NEW JERSEY	WASHINGTON	
ILLINOIS	NEW MEXICO	WEST VIRGINIA	
INDIANA	NEW YORK	WISCONSIN	
KANSAS	NORTH CAROLINA	WYOMING	
KENTUCKY	NORTH DAKOTA		

CANADIAN PROVINCES

ALBERTA
BRITISH COLUMBIA
LABRADOR
MANITOBA
NEW BRUNSWICK
NEWFOUNDLAND
NORTHWEST TERR.
NOVA SCOTIA
ONTARIO
PRINCE EDWARD IS.
QUEBEC
SASKATCHEWAN
YUKON TERRITORY

ABOUT THE SPONSOR

The West Allis Radio Amateur Club sponsors the Wisconsin QSO Party each March. In addition, WARAC sponsors the Mid-Winter Swapfest each January at Waukesha, and provides two $1000 scholarships annually through the Foundation for Amateur Radio. For more information:

www.WARAC.org

WISCONSIN QSO PARTY MULTIPLIER LIST

Counties

ADA	Adams	COL	Columbia	FOR	Forest	KEW	Kewaunee	MIL	Milwaukee	PRI	Price
ASH	Ashland	CRA	Crawford	GRA	Grant	LAC	La Crosse	MON	Monroe	RAC	Racine
BAR	Barron	DAN	Dane	GRE	Green	LAF	Lafayette	OCO	Oconto	RIC	Richland
BAY	Bayfield	DOD	Dodge	GRL	Green Lake	LAN	Langlade	ONE	Oneida	ROC	Rock
BRO	Brown	DOO	Door	IOW	Iowa	LIN	Lincoln	OUT	Outagamie	RUS	Rusk
BUF	Buffalo	DOU	Douglas	IRO	Iron	MAN	Manitowoc	OZA	Ozaukee	SAU	Sauk
BUR	Burnett	DUN	Dunn	JAC	Jackson	MAR	Marathon	PEP	Pepin	SAW	Sawyer
CAL	Calumet	EAU	Eau Claire	JEF	Jefferson	MRN	Marinette	PIE	Pierce	SHA	Shawano
CHI	Chippewa	FLO	Florence	JUN	Juneau	MRQ	Marquette	POL	Polk	SHE	Sheboygan
CLA	Clark	FON	Fond du Lac	KEN	Kenosha	MEN	Menominee	POR	Portage	STC	St Croix

TAY	Taylor	WAS	Washington
TRE	Trempealeau	WAU	Waukesha
VER	Vernon	WAP	Waupaca
VIL	Vilas	WSR	Waushara
WAL	Walworth	WIN	Winnebago
WSB	Washburn	WOO	Wood

States

AL Alabama	MT Montana
AK Alaska	NE Nebraska
AZ Arizona	NV Nevada
AR Arkansas	NH New Hampshire
CA California	NJ New Jersey
CO Colorado	NM New Mexico
CT Connecticut	NY New York
DE Delaware	NC North Carolina
FL Florida	ND North Dakota
GA Georgia	OH Ohio
HI Hawaii	OK Oklahoma
IA Iowa	OR Oregon
ID Idaho	PA Pennsylvania
IL Illinois	RI Rhode Island
IN Indiana	SC South Carolina
KS Kansas	SD South Dakota
KY Kentucky	TN Tennessee
LA Louisiana	TX Texas
MD Maryland/D.C.	UT Utah
MA Massachusetts	VT Vermont
ME Maine	VA Virginia
MI Michigan	WA Washington
MN Minnesota	WV West Virginia
MS Mississippi	WI Wisconsin
MO Missouri	WY Wyoming

Canadian Provinces

ALB Alberta	NS Nova Scotia
BC British Columbia	ONT Ontario
LAB Labrador	PEI Prince Edward Island
MTB Manitoba	QUE Quebec
NB New Brunswick	SAS Saskatchewan
NEW Newfoundland	YT Yukon Territory
NWT Northwest Territory	

2001 WISCONSIN QSO PARTY
SCORE SUMMARY SHEET

Name _____ Call _____

Address _____

City _____ State/Province _____ ZIP _____

Home WI County _____ Club Affiliation _____

ENTRY CLASS: ___ Single Op Fixed ___ Multi Op Fixed ___ Multi-Multi-Fixed
___ Single Op Mobile ___ Multi Op Mobile ___ Multi-Multi Mobile
___ Single Op Novice ___ Single Op Tech ___ Multi Op Tech

POWER LEVEL: HIGH ___ LOW ___ QRP ___

WI counties worked from: _____

CONTACT POINTS:

CW QSOs _____ X 2 = _____ CW Points

Phone QSOs _____ X 1 = _____ Phone Points

Sum of CW and Phone Points: _____

POWER:

HIGH (over 150 watts) Sum of CW + Phone Points x 1.0 = _____

LOW (5 watts to 150 watts) Sum of CW + Phone Points x 1.5 = _____

QRP (Less than 5 watts) Sum of CW + Phone Points x 2.0 = _____

TOTAL CONTACT POINTS _____

MULTIPLIERS:

Wisconsin Counties (Max. 72) _____

States (Max. 50) _____

Provinces (Max. 13) _____

Total Multipliers _____

SCORING:

CONTACT POINTS X MULTIPLIERS = _____ Points

BONUS POINTS = _____ Points

FINAL SCORE = _____ Points

I have followed the WISCONSIN QSO PARTY RULES. (ALL OPERATORS must sign - CLEARLY - including callsign.)

Signature(s) _____

Date _____

To qualify, entries must be postmarked by **April 11, 2001** and sent to: 2001 WISCONSIN QSO PARTY, WEST ALLIS RADIO AMATEUR CLUB, P.O. BOX 1072, MILWAUKEE, WI 53201. Entries may be disqualified if the QSO Party Rules are not followed. The decision of the Wisconsin QSO Party Rules Committee shall be final. Results will be available at our West Allis Radio Amateur Club website (www.WARAC.org) or upon request.

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West Allis Radio
Amateur Club

Club Meetings

ARROWHEAD AMATEUR RADIO CLUB, INC.
Superior, WI

Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI.
Time: 7:30 p.m. Board meetings held before regular meetings.

BADGER AMATEUR RADIO SOCIETY
University of Wisconsin - Madison/W9YT

Meetings: First Mondays at 7:30 p.m. in UW Union South.
Information: Don Michalski, W9IXG, (608) 263-4685.
Email: w9ixg@arrl.org.
Web: http://www.qsl.net/w9yt.

BADGERLAND AMATEUR TELEVISION SOCIETY (BATS)

Check BATS Web page:
http://www.shopstop.net/BATS/

CENTRAL WISCONSIN RADIO AMATEURS
University of Wisconsin - Stevens Point, WI

Second Wednesday.

EAU CLAIRE AMATEUR RADIO CLUB
Eau Claire, Wisconsin

Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz.
Information: Jim Staatz, KG9RA, (715) 838-9108, or kg9ra@ecarc.org
Web page: http://www.ecarc.org

FALLS AMATEUR RADIO CLUB, INC.
Menomonee Falls, WI

Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

FOND DU LAC AMATEUR RADIO CLUB
Fond du Lac, WI

Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m.
Information: Gene Olig, KD9ZP, gaolig@pitnet.net
Web: http://personal.pitnet.net/FDLHAMS/

FOUR LAKES AMATEUR RADIO CLUB
Madison, WI

Meetings: First and third Tuesdays, 7:30 p.m. Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

FOX CITIES AMATEUR RADIO CLUB

Meetings: Third Mondays, 7 p.m., Madison Junior High School, 2020 South Carpenter Avenue, Appleton, WI.
Information: Chad at (414) 993-0485.

GREATER MILWAUKEE DX ASSOCIATION

Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (414) 363-4439.
Email: garyk9gs@solaria.sol.net.Packet cluster NB9C for meeting information.

GREEN BAY MIKE AND KEY CLUB

Meetings: Second Thursdays, Media Services area of J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB
Greater Green Lake County area

Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

LAKESHORE REPEATER ASSOCIATION
Racine, WI

Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

M & M AMATEUR RADIO CLUB
Menominee, MI

General meetings: Monthly, second Thursday, 7 p.m., cafeteria, BAMC basement, Tenth Avenue, Menominee, MI. Amateurs and guests welcome.
Repeater: 147.00, + offset.
Sunday net: 7 p.m., 147.00 repeater.
Address: P.O. Box 1082, Marinettte, MI 54143.

MANITOWOC COUNTY RADIO AMATEURS
(ManCoRad)

Second Wednesdays of each month except June-August, when no meetings are held. Regular meeting: 7:30 p.m., Associated Bank, lower level, 1000 Franklin St., Manitowoc, WI. Located right next to the Manitowoc River in the downtown area.
Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312.
Email: fredw6bsf@lakefield.net.

MILWAUKEE RADIO AMATEURS CLUB

Meetings: Last Thursdays, 7:30 p.m. (starting in January, time is 7 p.m.), Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Address: P.O. Box 070695, Milwaukee, WI 53207.
Web: http://www.qsl.net/mrac
Email: w9rh@arrl.net

NORTHWOODS AMATEUR RADIO CLUB
Rhinelander, WI

Meetings: Third Tuesdays. Doors open 7 p.m. Meeting 7:30 p.m. South Park School, Rhinelander.
Talk-in 146.94 (-600).
All visitors welcome.

OZAUKEE RADIO CLUB
Ozaukee County area, WI

Meetings: Second Wednesdays, 7:30 p.m., Grafton Multipurpose Senior Center.
Information: http://www.qsl.net/orc.

QUARTER CENTURY WIRELESS ASSOCIATION (QCWA)
Wisconsin Chapter 55

Wisconsin Chapter 55 meets the first Saturday of June and October.
For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N.Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774.
mailto:rryokes@execpc.com

QUARTER CENTURY WIRELESS ASSOCIATION (QCWA)
Southeastern Wisconsin Chapter 162

Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI.
Social events: Third Sundays in February, April, June, August, and October.
Christmas party: Usually second or third Sunday in December.

RACINE MEGACYCLE CLUB

Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

RADIO AMATEURS OF WISCONSIN (R.A.W.)
Oshkosh, WI

Meetings: Third Saturday monthly, locations vary. "R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

RED CEDAR REPEATER ASSOCIATION, INC.

Saturday coffee at Hardee's in North Menomonie, corner of Highways 12 and 25 at 9 a.m.
Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

RIVERLAND AMATEUR RADIO CLUB
Onalaska, WI

Meetings: First Tuesdays, 7 p.m., Onalaska Community Center.

ROCK RIVER RADIO CLUB

Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI.
ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

NORTHLAND AMATEUR RADIO CLUB of SHELL LAKE, WI

Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI.
Meeting time: 7 p.m.
More information:
http://home.centurytel.net/NorthlandARC/

SOUTH MILWAUKEE AMATEUR RADIO CLUB

Meetings: First Wednesdays, Legion Post 434, Shepard Ave., Oak Creek, WI.
Auctions in March and October.

SPACE PLACE AMATEUR RADIO CENTER

No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW.
Information: Don Michalski, W9IXG, President, (608) 263-4685.
Email: n9uw@sal.wisc.edu

St. CROIX VALLEY RADIO AMATEURS

Hudson, WI Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program.
Talkin: 145.13 MHz.
All are welcome!

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC)
Medford, WI

Meetings: Usually first Thursday, 7 p.m. sharp.
Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford.
Talkin: 147.15 (+600) MHz.
Amateurs and guests are welcome.
ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater.
Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405.
Phone: (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB

Meeting ... member ... mes. Usually monthly on Sunday afternoon.
Contact: Glenn Eisenbrandt, (414) 563-6502, or John Satterlee, (414) 5563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB

Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse.
Net: Thursdays, 7:30 p.m., 146.73 (-600).

WATERTOWN AMATEUR RADIO CLUB

Meetings: First Thursdays of month, 7 o.m., Watertown Public Library, 100 South Water Street.

WAUPACA AMATEUR RADIO CLUB

"CQ First Tue.": Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted.
"CQ Third Fri.": Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area.
Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

WEST ALLIS RADIO AMATEUR CLUB

Meetings: Second Tuesdays, 8 p.m., St. Peter's Episcopal Church, 7929 Lincoln Avenue, entrance is at rear of building on alley.
Information: http://www.warac.org.

WISCONSIN RAPIDS AMATEUR RADIO CLUB

Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse.
Talkin: 146.79 (-600) for entry into the building.

WISCONSIN VALLEY RADIO ASSOCIATION
Wausau, WI

Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600).

WISCONSIN ASSOCIATION OF REPEATERS

Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info.
Information: http://www.wi-repeaters.org.

YELLOW THUNDER AMATEUR RADIO CLUB

Baraboo, WI Meetings: First Tuesdays, 7:30 p.m., Room 18, Baraboo Civic Center at 124 Second Street. Information:
http://members.baraboo.com/sschulze.

Notice: We are not liable for any errors, omissions, typographical errors, or misprints. Clubs are responsible for furnishing any changes or corrections which may be needed! Please send corrections and updates to:

kebneter@palacenet.net

and to

smokesigs@baraboo.com

Thank you.

Hollingsworth says "radio rage" hazardous to ham radio

Entering his third year spearheading the FCC's Amateur Radio enforcement effort, Special Counsel for Amateur Radio Enforcement Riley Hollingsworth says "radio rage" could become a bigger danger to the future of Amateur Radio than rulebreaking.

"It's the infighting and arguments and juvenile spats," Hollingsworth said this week. "That's going to come back to haunt us if we don't just grow up. It will do the service in, if the ham community doesn't put a stop to it."

Hollingsworth said that he's encouraged that the FCC's enforcement program has the support of "99.9%" of the amateur community and that the vast majority of hams follow the rules. But, he said that radio rage in the form of such things as on-air squabbles or frequency fights can degrade the bands just as quickly as outright rulebreaking. "The FCC can't do anything about that," he said. "It's up to the amateur community."

Hollingsworth said that while much radio rage technically is not illegal, it reflects poorly on Amateur Radio and can balloon into an enforcement issue.

More important, he said, **rude or intemperate on-air behavior might provide just the sort of ammunition that an entity seeking additional spectrum will use against Amateur Radio.**

Hollingsworth predicted that the departure January 19 of FCC Chairman William Kennard and the changing of the guard the White House the next day will not alter the course of the current amateur enforcement effort. He said he sees nothing but positive changes ahead.

"I'm willing to bet my SX-115 that we won't miss a beat," he said, referring to one of his latest acquisitions of vintage ham gear, "as long as the amateur community lets it be known it still wants enforcement."

Hollingsworth said it was pressure from the ARRL and individual amateurs that prompted the resumption of amateur enforcement in 1998 during Kennard's tenure, "and it's the type of program that needs that continual pressure to keep it going," he added. Overall complaints are down, Hollingsworth said, "but no one can be complacent."

The ARRL Letter

Amateur Radio Giant Bill Orr, W6SAI, SK

Another Amateur Radio legend is gone. William I. "Bill" Orr, W6SAI, of Menlo Park, California, died in his sleep January 24. He was 81.

An ARRL member, Orr was best known for his numerous amateur radio books and reference works, many aimed at beginners. His titles include *The Radio Handbook, The Beam Antenna Handbook, The Quad Antenna Handbook, The VHF-UHF Manual* and *The W6SAI HF Antenna Handbook*, some written in collaboration with Stu Cowan, W2LX. Ironically, friends say, the lack of an antenna in recent days had kept Orr off the air.

Licensed in 1934 at age 15 as W2HCE in New York, Orr graduated in electrical engineering from the University of California in the early 1940s.

In his younger years, Orr was a well-known DXer and DXCC Honor Roll member. He also was involved in DXpeditions to various exotic locations, including St Pierre and Miquelon and Monaco, among other locales.

From the 1940s through the 1980s, Orr was a frequent contributor to *QST*, writing about tube-type amplifiers, Project OSCAR, and other topics. Orr constructed some of the amplifiers once used at ARRL Maxim Memorial Station W1AW.

For many years Orr worked with tube manufacturer EIMAC. Orr's application notes for EIMAC products were favorite reading within the amateur community. In later years, Orr penned columns for *Ham Radio* magazine and, more recently, for CQ, where he edited "Radio Fundamentals."

In 1996, Orr was named the Dayton Hamvention Technical Excellence award winner.

Chip Margelli, K7JA, of Yaesu, called Orr "one of the technical giants in Amateur Radio." Margelli said a hallmark of Orr's talent was that he always published information for designs that had actually been proven in the field. "He also was a true gentleman, and I shall miss him greatly," Margelli said.

Long-time friend Willard "Tiff" Tiffany, W6GNX, said Orr had a knack for making technical topics easy to follow and understand. He remembered Orr as "a friendly, helpful guy who wrote from the heart because he enjoyed doing it."

Another friend, Marv Gonsior, W6FR, says Orr "had a great sense of humor, a lot of wit about him."

Orr owned a condominium in Maui, Hawaii, and operated from there two or three times a year as KH6ADR.

Orr's wife, Sunny, died about five years ago, and he lived alone. He is survived by four daughters and a son.

The ARRL Letter

SEWFARS SWAPFEST

Southeastern Wisconsin FM Amateur Repeater Society Inc.
SEWFARS
Amateur Radio Club
146.820
444.125

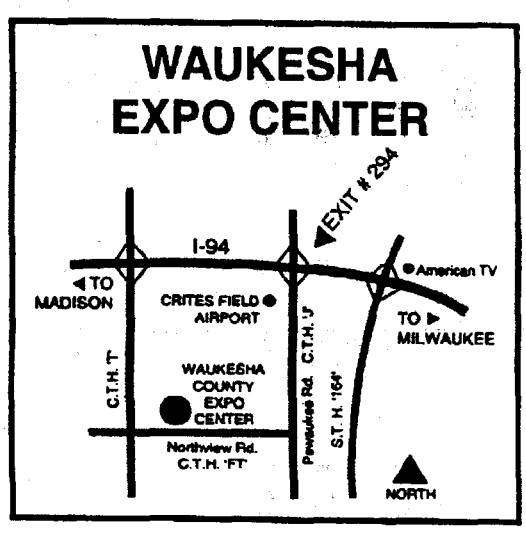
HAMRADIOS COMPUTERS ELECTRONICS

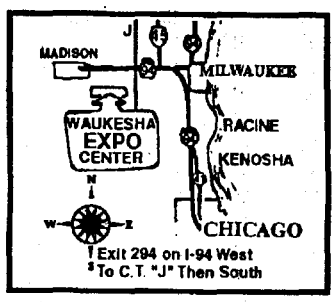
SUNDAY
March 4, 2001
8:00 AM - 2:00 PM

SETUP STARTS AT 6:00 AM
WAUKESHA COUNTY EXPO CENTER
WAUKESHA, WISCONSIN

ADMISSION $5.00 AT DOOR
RESERVED TABLES PER 4ft. $6.00
ELECTRICAL OUTLET $7.50
AMATEUR LICENSE EXAMS

WAUKESHA EXPO CENTER





RESERVATION DEADLINE IS FEB. 23, 2001-Order early
Mail with S.A.S.E. - Make Check Payable to SEWFARS Inc. Mail to: P.O. Box 102 Delafield, WI 53018
for more information Phone (262)835-7035 / TALK IN 146.820 - PL 127.3

ADMISSION TICKETS $5.00 MUST be purchased with table
TABLE RESERVATION $6.00 for each 4ft. table
ELECTRICAL OUTLET $7.50

Name: _____ Address: _____
City: _____ State: _____ Zip: _____ Phone: _____
Brief Description of Display & Items being sold. _____

Must Be Mailed with a S.A.S.E. Make check payable to: SEWFARS Inc.
Mail To: SEWFARS P.O. Box 102 Delafield, WI 53018 - Phone (262)835-7035

PRB-1 bill introduced in Indiana

Indiana lawmakers will deal with an Amateur Radio antenna bill in the upcoming 112th General Assembly session. A bill has been introduced to incorporate the limited federal preemption known as PRB-1 into Indiana state law.

Senate Bill 331 would prohibit Indiana municipalities or counties from enacting ordinances, resolutions or orders that do not comply with PRB-1. The proposed law also seeks to prohibit localities from "restricting Amateur Radio antennas to less than 75 feet above ground level. It would not prohibit communities from taking action to "protect or preserve a historic or an architectural district."

In general, the PRB-1 FCC policy requires that local regulations involving the placement, screening or height of antennas based on health, safety or aesthetic considerations "must be crafted to reasonably accommodate amateur communications" and that such local regulations "represent the minimum practicable regulation to accomplish the local authority's legitimate purpose."

Senators Rose Ann Antich and Marvin D. Riegsecker are cosponsors of the proposed legislation. ARRL member Jerry Suhrheinrich, WD9EDE (wd9ede@arrl.net), has been promoting the bill from within the amateur community.

Ten states have incorporated the essence of PRB-1 into their laws. So far, only three states--Oregon, Virginia, and Wyoming--include minimum regulatory height limits in their Amateur Radio antenna laws based on PRB-1. A PRB-1 bill recently introduced in the State of Washington seeks a 70 foot minimum. (See story below).

Hearing set for Washington PRB-1 expansion bill: Proposed Senate Bill 5002 that would set a 70-foot minimum regulatory height for Amateur Radio antennas in the State of Washington is set for January 29, 8:30 AM, in Senate Hearing Room 2, Cherburg Bldg, Olympia, Washington (on the Capitol campus). The proposed amendment would specify that local governing bodies could not restrict antenna height to less than 70 feet without a clearly defined health, safety, or aesthetic reason.

The ARRL Letter

PARTICIPATING

CLUBS AND ORGANIZATIONS

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI

WISCONSIN NETS

Net	WNA	Freq.	UTC	CST	Manager
BWN	Yes	3985	1200	0600	W9RCW
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9FHI
WNN	Yes	3723	0000	1800	KB9ROB
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9UW
RCRA	No	01/61	0130	1930	KA9OMC
		(Mondays CDT) (Menomonie Area)			
Gr. Bay	No	72/12	0345	2145	WB9NRK
		(Green Bay Area)			
ARES	No	4.65/5.25	0300	2100	

Section Traffic Manager's Report
December 2000
Wisconsin Section

Considering The Considerate Operator's Guide

The "Considerate Operator's Guide" published in January QST mentions use of 3.985 MHz as a calling frequency for QRP SSB stations. While this policy has not been formally adopted, if it is common practice, it deserves our response. Here is a portion of a statement I will be submitting to ARRL HQ.

We recognize that no amateur or organization owns an amateur frequency, and we always check for a clear frequency before beginning net operation, but we strongly oppose making 3.985 exclusively a national calling frequency for QRP SSB. Doing so would seriously interfere with our section nets, part of ARRL's National Traffic System.

All of our phone section nets operate on 3.985 -- including the Badger Weather Net, which handled over 19,000 pieces of traffic in 2000, and had over 14,000 check-ins. If one listen to the upper portion of 75 meters at 1200Z, it is quickly apparent that there are already nets right next to each other all the way up and down the band. For example, there are simultaneous nets on 3.987 and 3.983 at the same time as ours on 3.985. A similar problem exists for the Wisconsin Side Band Net at 2315Z where over 6,000 check-ins passed more than 600 pieces of traffic in 2000.

3.985 has not been officially established as a calling frequency, nor does it have any special charm more than another spot on the phone portion of 80 meters. If operators would like to use the frequency as a meeting place while nets are in session, they are always welcome to check in and list the contact they are seeking. With all net members listening, it gives the weak-signal station an even better chance.

We encourage as much activity as possible on the 3.985, but we are opposed to relinquishing the frequency of long-established nets for possible, infrequent use of individual amateurs. Yes, no one owns a frequency -- not even those listed in "The Considerate Operator's Frequency Guide." Let all operators be considerate. That's what will make sharing 3.985 work for us all.

:-----:

The year 2000 was another good one for the nets in Wisconsin. The yearly stats are part of this report. We are continually changing the nets in Wisconsin, individually, through the direction of the Net Managers and with the input from the Wisconsin Nets Association, Ltd. We are growing slowly and handling traffic efficiently - although we can use a lot more participation and plenty of additional traffic. 2000 saw 37,446 check-ins handling a total of 23,245 pieces of traffic. If anyone would like a copy of the Excel spreadsheet with the year's stats, let me know and I'll forward one by attachment.

Special thanks to NMs W9RCW and W9IHW, KE9VU, K9FHI, KB9ROB, N9BDL, WB9ICH, and W9UW for your help in managing our section nets. It wouldn't happen without you.

73, K9LGU/ STM

WISCONSIN SECTION
MONTHLY NET ACTIVITY SUMMARY
Dec 2000

NET	QNI	QTC	QTR	SSNS	NM
BWN	1302	1637	2325	31	W9IHW for W9RCW
BEN	553	73	870	29	KE9VU
WSBN	650	106	994	31	K9FHI
WNN	203	14	368	31	KB9ROB
WSSN	296	33	402	31	N9BDL
WIN/E	265	99	355	31	WB9ICH
WIN/L	204	69	326	31	W9UW
TOTAL	3473	2031	5640	131	
YEAR TOTALS	QNI: 37,446				QTC: 23,245

STATION ACTIVITY SUMMARY
December 2000

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
W9YPY	0	384	336	0	640 - BPL
K9JPS	0	278	32	269	571 - BPL
W9IHW	5	239	61	205	507 - BPL
N9VE	0	210	36	209	455 - BPL
K9GU	0	198	25	192	415 - BPL
N9TVT	0	93	312	1	406
K9LGU	1	76	90	1	168
W9CBE	0	58	94	4	156
N9BDL	0	35	76	0	111
K9FHI	0	35	49	0	84
W9YCV	1	31	32	7	71
N9KHD	0	31	34	0	65
W9UW	0	44	17	1	62
KG9B	0	13	48	0	61
AG9G	0	7	51	0	58
KB9ROB	0	38	6	7	51
AD9X	0	10	39	1	50
KE9VU	0	15	32	0	47
AA9BB	2	3	36	0	41
W9BHL	0	4	32	0	36
KA9FVX	0	0	33	0	33
W9RCW	0	0	31	0	31
K9HDF	0	0	27	0	27
WB9ICH	0	21	4	0	25
WD9FLJ	3	5	5	2	15
W9ODV	0	0	11	0	11
W9PVD	0	4	3	2	9
KB9QPM	3	2	3	1	9
W9RSX	0	2	3	1	6
K9UTQ	0	2	2	1	5

P S H R SUMMARY
December 2000

CALL	1	2	3	4	5	6	7	8	TL
K9JPS	43	24	24	269	0	10	0	0	370

Wisconsin Valley Radio Association

Rich Nesbitt, N9WPH, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.19 Input/52.89 Output

Meeting Minutes
2 January 2001

Meeting called to order at 7 p.m. by President Kim Kunze, N9SDL.

Program: "Open Discussion": Mike, KB9DED, and Kim, N9SDL. The discussion mainly involved APRS. Contact the presenters if you want more info.

Members present: N9SDL, N9WPH, N9NMH, KB9DED, N9MEA, W9WW, KB9PVI, N9MPD, N9NRC, KB9NHQ, KB9STB, KB9RXB, N3FDE, WD9CPY, K9MCZ, KB9OPQ, KB9YDP, K9QM, N9PHC, WA9NBC, N9IAB, KB9RXA, N9NRA.

Secretary's Report: As published in *Badger State Smoke Signals*. Motion: Myron, KB9STB; 2nd: Matt, N9NMH.

Treasurer's Report: Motion to accept: Andy, N9NRA. 2nd: Myron, KB9STB.

Old Business

Tower update: Kim, N9SDL, gave an 8 x 10 glossy picture of the new equipment for the tower to the Wausau Area Community Foundation along with an explanation.

New club meeting place: State Patrol Headquarters meeting room. The State Patrol Headquarter building is off of Hwy 51 at the "NN" exit, near Shakey's Pizza. Please park in the south parking lot away from the building. Talk-in will be on 146.640 (Pl 114.8).

Special Olympics: February 10-11 at the Indianhead Golf Course near Mosinee. Show time is 8:30 a.m. Volunteers are needed. Please contact Jack, N9LIA, if interested at n9lia@pcpros.net. An opening ceremony will take place on Friday, 9 February.

Repeater Coordination: The repeater trustee, Tony, K9QM, needs additional information in order to complete the verification form for Wisconsin Association of Repeaters. Tony would like a copy of the old form. It was suggested that he get a faxed copy of the old form from the frequency coordinator, Dave Karr, KA9FUR. The form was due back in August. Kim, N9SDL, contacted Dave, KA9FUR, with our apologies and said we would get the form in ASAP.

New Business

Badger State Winter Games: February 3-4, opening ceremony will be on Friday, 2 February. Volunteers are needed. Headquarters will be at the Chalet and the events will take place at 9-mile reereation area. Please contact Mike, N9IAB, or Mike, KB9DED, if you are interested.

Silent Keys: Dick Trempe, N9QQ. The club sent a memorial card with a donation. Please send your individual contributions to Mark, N9MEA, the club's treasurer.

APRS Hardware TNC: In order to support wide area coverage of APRS, we will need to get a TNC. The club will need to purchase a Kantronics 3+ TNC which has remote configuration capabilities. Estimated cost will be $180. Donation of funds for this project should be sent to Mark, N9MEA, the club's treasurer.

Foundation for Amateur Radio, Inc: Kim, N9SDL, informed the members that the foundation is seeking qualified applicants for grants and scholarships for the 2001-2002 year.

APRS Committee: A committee is being formed. Those interested in getting involved with APRS should contact Mike, KB9VBR, Mike, KB9DED, or Kim, N9SDL. The club plans to use APRS for weather spotting and special events. Setup is critical for efficient operations, so there is

Please turn to page 12

N9VE	37	0	0	209	0	30	10	0	286	W9CBE	60	24	24	4	0	20	0	0	132
K9FHI	60	24	24	0	0	30	10	30	178	K9LGU	60	24	24	1	1	20	0	0	130
WD9FLJ	60	0	24	2	3	20	0	30	139	N9TVT	60	24	24	1	0	10	0	0	119
N9BDL	60	24	24	0	0	30	0	0	138	AG9G	60	24	18	0	0	10	0	0	112
W9YCV	60	24	24	7	1	20	0	0	136	KA9FVX	33	0	0	0	0	10	0	0	43

2000 SECTION NET SUMMARY QNI - WISCONSIN

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
BWN	1328	1218	1380	1302	1456	1274	1166	1223	1181	1290	1314	1302	15434
BEN	621	556	492	518	444	436	360	448	389	456	587	553	5860
WSBN	640	620	607	617	579	470	464	437	490	552	599	650	6725
WNN	176	151	157	130	117	107	114	110	111	125	164	203	1665
WSSN	267	281	259	211	213	188	167	198	212	217	256	296	2765
WIN/E	264	252	230	210	206	202	194	202	212	216	224	265	2677
WIN/L	196	200	204	193	197	189	176	182	191	191	197	204	2320
TOTALS	3492	3278	3329	3181	3212	2866	2641	2800	2786	3047	3341	3473	37446

2000-QTC

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
BWN	1740	1582	1749	1660	1693	1678	1584	1607	1470	1659	1579	1637	19638
BEN	86	73	76	69	64	70	52	50	45	38	62	73	758
WSBN	52	55	47	56	45	26	49	48	48	68	63	106	663
WNN	20	20	23	20	21	22	13	13	7	17	14	14	204
WSSN	33	18	20	22	26	21	24	20	24	22	33	33	296
WIN/E	80	119	120	98	80	67	71	59	65	66	78	99	1002
WIN/L	37	56	60	66	54	61	52	60	63	51	55	69	684
TOTALS	2048	1923	2095	1991	1983	1945	1845	1857	1722	1921	1884	2031	23245

QTR

	5564	5337	5291	5242	5159	4892	4947	4649	4906	4883	5258	5640	61768

MINUTES

	SSNS												
	214	203	214	211	217	209	213	212	209	213	210	215	2540

Wisconsin Valley Radio Association

Continued from page 11

a need to have a functional committee. Those involved with APRS plan to establish an Internet Gateway (Igate) so that anyone with Internet access can see and track locations.

Dream Flight 2001: The 10th anniversary launch is April 30, 2001. Dream Flight will take place from 4/30-5/04. Volunteers are needed for the training sessions and during the week of Dream Flight. Contact Kim, N9SDL, or Mike, KB9DED, is interested. Training dates are 3/27, 4/2, 4/9, 4/10 from 1830-2000 hours at Rib Mountain Elementary School. APRS will be used on the shuttle so that anyone interested can track its progress. Mike, KB9DED, is willing to make HF contact certificates if there are enough volunteers so that a HF station can be setup and monitored.

TinyTrak: Dave, KB9OPQ, informed the members present that there was a TinyTrak Kit available at www.byonic.com for $25 plus shipping. It is a small inexpensive GPS one way position encoder that replaces the need for a packet TNC in an APRS tracker.

444.1 weekly net and general discussion: Thursday nights at 9 p.m. Please contact KB9VBR if you are interested and working as the net control operator.

Meeting adjourned at 9 p.m. Motion: Andy, N9NRA. 2nd: Myron, KB9STB.

Next meeting 2/06/2001.

Program: To be announced at a later date by Mike, KB9DED. Listen for the topic on one of the weekly nets.

Respectfully submitted,
Rich Nesbitt, N9WPH
WVRA Secretary

Lakeshore Repeater Association

147.270 MHz • Racine, Wisconsin

Larry McCalvy, WA9JMO • 5400 Six Mile Road
Racine, WI 53402-9741 • wa9jmo@wi.net

When will the 70-cm repeater be operational? Good question! We have purchased the 7/8-inch Heliax transmission line, signed and delivered the lease agreement to the tower owner, purchased the insurance coverage, and are in the process of hiring a tower climber, ordering the side arm mount for the antenna, and configuring the mounting hardware required. A simple sounding task at the beginning of this adventure has proved to be somewhat elusive. But our technical committee has been working steadily toward a conclusion and we may have the system operational by early April.

I have been asked to remind individuals who are delinquent in their repeater dues to send a check to the Repeater Association, PO Box 081121, Racine, WI 53408. Our regular/family membership dues are $15.

An Audit Committee will have been appointed at the January 30th meeting and their results and the technical committee reports will be listed in the March issue.

Our 147.270/870 MHz repeater has acquired a little intermod problem. There appears to be another Amateur Radio repeater mixing its signal with a third repeater/paging system that has found its way into our two-meter repeater. So far it has only been sporadic and brief in duration. But that could change; so we are asking for your assistance in identifying the source of this interference. If you know where the problem may be occurring or have an ideal of its cause please let a member of the Board or Tech committee know.

Preceding our quarterly meetings this year - January 30, April 24th, July 31st and October 24 – ARES will meet at 6 PM in the same Red Cross lower classroom the repeater group meets in at 7:30 p.m.

The weather net, held Wednesday evenings at 7 p.m. will be moving to 8 p.m. effective January 31st. Courtesy reminder messages will be announced Wednesdays at 7 p.m.. The net is looking for additional Net Control Stations and will be expanding topics and training sessions in the near future. Please stop by 147.270 Wednesday evenings and say "HI".

73,
Larry McCalvy, WA9JMO, President

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402

As the January issue of *Worldradio* meandered through the Ham community, interest in our upcoming QCWA International Convention/Amateur Radio Cruise intensified. With the arrival of the QCWA Winter Journal's full page article on the subject at about the same time, and the diligent work of our International VP, Croft Taylor, VE3CT, and Director Alan Pickering, KJ9N, selling the idea to local chapter members across the state of Florida, my telephone has been "ringing off the hook" and the computer's email in box is filled with inquiries about the cruise adventure.

I have received offers of assistance in contacting nationally know entertainers and astronauts who hold Amateur calls in an effort to have them join our endeavors upon the water.

The cruise will depart Fort Lauderdale, FL on October 27, 2001 for eight-days aboard Holland America's Westerdam. We have some great prices, a wonderful itinerary, and the adventure of a lifetime awaiting all of our cruise mates. White Travel Services in West Hartford, CT at 1-800-547-4790 is handling all the booking details. Further details can be obtains by calling 262-639-7327, and/or emailing Larry McCalvy at: wa9jmo@wi.net.

Our Valentine luncheon will be on Sunday, February 11, 2001 at Racine's lakefront in The Dock's Restaurant, beginning at 1 pm. Join us during our Thursday, 9 p.m. net on the Lakeshore Repeater (147.270 MHz) for changing details, menu selection, and confirmation of the time and date. Sometimes my computer makes small mistakes in dates, times and locations of some events. At other times it just plain lies. In order to be sure just when and where the event is to be held, it is strongly suggested that you tune to 147.270 MHz on Thursdays at 9 p.m.

Our Secretary/Treasurer will be sending reminder postcards just in case!

In March our chapter has been asked to participate in Racine Red Apple's Elementary School Option Program. We will have the opportunity to work with 12-15 fourth and fifth grade students as they explore the world of Amateur Radio utilizing code practice oscillators and a two-meter transceiver with control operator and the service of our local repeater. This will be our fourth option's day program with the school and I'm not sure who enjoys the hour more, the students, teachers or ham operators.

73, Larry McCalvy, WA9JMO, President

Thanks to everyone who submitted articles, stories and photos for publication. We depend on contributions like these to keep BSSS interesting and informative. Submissions are welcome by regular mail or email. See page 2 for addresses. Thanks!

Mancorad Radio Club

Theresa Hartlaub, KB9KXE, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

2-Meter Repeater: 146.01 Input/146.61 Output

Happy New Year to all!!!!!!

The January 2001 meeting of the Mancorad Radio Club was held January 10th and called to order at 7:33 by President Fred (W6BSF). The December meeting minutes were read, corrected and then approved by motions by Red (N9GHE) and Rahlf (N9AWG).

Treasurer Roger (W9NPX) gave the treasurer's report and it was approved by motions made by Ken (K9HAG) and Dick (N9QFY).

Our 2000 Christmas party will be held this Friday, Jan. 12th at Cedar Ridge. There are 41 people attending. We are all looking forward to an interesting evening with friends and a slide presentation by John (NZ9Z) on his recent trip to Sri Lanka.

Fred reported that he had booked the restaurant for next year, January 4th for our 2001 Christmas party. Roger had checked into a few other places. However, after discussion, it was decided to take a poll at the party with more people in attendance.

The board has begun discussion on offering lifetime memberships to some club members. The board would have discretion to nominate and the club would then vote on these said nominations. More information to follow. Student fees will be 10.00 a year.

Fred read a letter from Jim Romelfanger, describing the problems they have had in December with computers failing. Future issues of *Badger State Smoke Signals* should be more on time.

The club is looking for a historian to go through the file cabinets and organize past articles, pictures, etc into a scrap book. If anyone is interested, please contact Fred.

The county fair display and the Holiday parade were brought up as possible club activities for the coming year. Both would be good advertising for the club. Theresa and Denise (N4WGK) will check into these for the next meetings.

John (NZ9Z) reported on Salvation Army bell ringing. John, Cindy, Vic, Red, and Dick collected $287.51. Thank you all for volunteering and braving the cold.

The new books are in and sent to the Two Rivers and Manitowoc Public Libraries. Also a copy at the club shack.

The attendance drawing was held and Bob (KB9INK) was not here. The pot goes to 12.00.

Meeting adjourned at 8:38 p.m.

Submitted for approval,
Theresa Hartlaub (KB9KXE)
Secretary

MEMBERSHIP ATTENDANCE

KB9KXE Theresa	W9NPX Roger
W6BSF Fred	N9FVZ Dan
N9GHE Red	N9VIA Oran
KB9GOY Mary	N9QFY Dick
NZ9Z John	K9HAG Ken
KB9KXF Gene	N4WGK Denise
N9XEZ Bill Travis, student	N9AWG Rahlf
KB9NTL Don	WB9VYO Vic
N9WVN Chuck	KB9VLS Chris

QCWA to see sea

Continued from page 6

to all the wonderful delights normally provided by the ship's staff, will include our own special cocktail party and one forum on and about Collins Radio equipment.

The cruise committee is kicking around a few other creative ideas that we hope will increase the enjoyment of our water traveler's during their 8-days in paradise.

White Travel Service of West Hartford, Connecticut is handling all the cruise arrangements. Call 1-800-547-4790, (the number is good in the U S and Canada) with any questions about or concerning the Westerdam's QCWA Ham cruise, 27 October to 4 November 2001. Our special rate, for double occupancy cabins begins at $649 per person. Port taxes, air transportation (if requested), air taxes and government fees are additional. Rates for single, triple and quad occupancy are available on request. There is a video on our planned ports of call and a ship's tour and layout of Holland America's Maasdam – Westerdam's sister ship. For a copy of the video, and questions concerning the Amateur Radio portion of the cruise, contact Larry McCalvy, WA9JMO by telephone at: (262) 639-7327; FAX at: (262) 639-3320; and/or email at: wa9jmo@wi.net. For any and all cruise related inquiries, contact White Travel Services at 1-800-547-4790.

Oh! Did I mention that St Thomas has one of the world's three best snorkeling beaches (of course that is only my opinion) where the water temperature is 81 degrees, the air temperature 82 degrees, the water so clear that one can see 100 feet, and fish so numerous they seem uncountable with colors beyond one's imagination?

73, Larry McCalvy, WA9JMO
2001 Cruise Coordinator

A tribute to Reed Wyland

By Lew Sheerar, K9JPS

Reed Wyland is a faithful friend
When someone is gone or on the mend.
He substitutes with real great glee
And keeps the Weather Net Going - all for free.

N9TVT is our daily net control,
Just a "thanks" is not enough and so
He deserves a medal for such faithful obligation
And we applaud your sincere, happy disposition.

Reed Wyland of Merrill, WI (N9TVT) is a blind man who is very active on several net. He regularly checks into BWN, Early and Late 9RN, WIN, BEN, the WSBN, and some others. He has acquired an uncanny memory and handles several messages. Reed has developed his own abacus for keeping count of the number of checkins and messages passed when he is net control. It is a board with a lot of appropriate holes for 45 cartridges (he used to shoot a lot).

Reed is well known to many hams in and out of Wisconsin. He is certainly a pleasure to know. We enjoy working with Truly Very Talented Reed.

Wouff Hong

Continued from front page

"each face noticeably blanched when the awful Wouff Hong was .. laid upon the table." The Board voted that the Wouff Hong be framed and hung in the office of the Secretary of the League and there it remains to this day, a sobering influence on every visitor to League Headquarters who has ever swooshed a carrier across a crowded band.

The Old Man never prescribed the exact manner in which the Wouff Hong was to be used, but amateurs need only a little imagination to surmise how painful punishments were inflicted on those who stoop to liddish behavior on the air.

Thanks to the ARRL for the story. If you attend an ARRL Convention, there may be a midnight ceremony at which even you can be inducted into the Royal Order of the Wouff Hong, and you are encouraged to do so. I did (Central Division Convention, Milwaukee, sponsored in the 1970s by the West Allis Radio Amateur Club), and am proud to be a deserved member of the ROWH.

Jim Romelfanger, K9ZZ

SHEBOYGAN
County Amateur Radio Club

★

Sky Borgenhagen, N9XRU, Secretary
N6466 Plank Circle • Glenbeulah WI 53023

2-Meter Repeater: 147.06 Output

The January meeting was called to order at 7.00 p.m by the club President Steve, N9TRK. There were six members present.

The SCARC meetings are held every second Tuesday of the month in the Red Cross building at 2032 Erie Ave. in Sheboygan.

Club treasurer Mike, K9SJ gave a brief report. It's time to renew club subscriptions for *Badger State Smoke Signals*.

The officers meeting scheduled for the 4th Tuesdays of the month was confirmed to be held via simplex on 2M. The frequency 147.42 will be used. A trial contact is scheduled following the upcoming Monday night 2M net.

Concluding details for the Annual Dinner were discussed. The consensus was not to cancel the club meeting in lieu of the Annual Dinner.

Club equipment was moved out of storage and into the new radio room.

The meeting adjourned at 8:15 pm.

Net Schedule

The SCARC 2 Meter net meets Monday nights at 8:00 P.M. on 147.060, PL107.2 +. This is a fun net and all are welcome to join us. Any members willing to take net control for one or more nights should contact Steve, N9TRK.

Saturday Morning Breakfasts

The Saturday morning Sheboygan hams breakfasts are held at the following venues:

1st - Jumes in Sheboygan

2nd - Family Restaurant in Cleveland

3rd - Jumping Jacks at Kohler Sports Core

4th - Park View Restaurant, County PP in Sheboygan Falls

5th - Hill Farm Restaurant, County V and OK in Sheboygan

Email List

If you use e-mail, consider signing up on the Sheboygan Hams mailing list. Simply submit your e-mail address to:

<julian@bongo.tele.com>.

All e-mail sent to

<shebham@tele.com> will be forwarded to all listed subscribers.

Thanks again!, N6ARE for providing this wonderful mail server for SCARC use.

Club Postal Mailing address

SCARC, PO Box 1282,
Sheboygan, WI
53081-1282

Respectfully Submitted:
Sky Borgenhagen,
N9XRU

Wonderful old junk



Shortly after moving back to Wisconsin from San Diego, California, this ham station was set up and operating at 416 6th Street in Baraboo. At left is a National SW-54 "all band" receiver. In the center is the famous/infamous Heathkit VF-1 VFO. Certain of these would drift all over the place, but this one didn't; it behaved quite well. And at right is a Heathkit DX-20 transmitter. It had two tubes and put out 50 watts. This rather simple setup, with dipole antennas, worked lots of states and even some DX on 40 CW. On the desk near the front is a Lionel "bug", a semi-automatic key. Who ran this lashup? K9PKQ, now known as K9ZZ, your editor. The photo was taken in 1960.

About Shared Networks

By Andy Nemec, KB9ALN

In the dawn of packet radio, when experimentation was everywhere and expectations were plenty high, just the act of connecting one computer to another via radio was amazing in and of itself. After all, it had only been done by the U.S. defense department, and "lowly" Canadian Amateurs were awed by their own groundbreaking work. At the same time, they and their U.S. counterparts were eager to go further, and the first goal was to extend the range of their connectivity.

This required hooking of multiple computers together to form a network of some sort. At first, digipeating was the only thing we had. When packet channels were not congested and everyone had their TNCs set properly, they were able to extend the range of connectivity by 100 miles or more. Things changed when packet got more popular, the channels got congested, and the default settings that TNCs used turned out to be unfriendly on congested channels. Something had to be done both to relieve congestion and still extend the range of connectivity.

Enter the Net/Rom Node, later emulated (some say stolen) as the "TheNet" node. This allowed a network to be formed, and also allowed us to embrace the LAN/backbone concept. In this system, users in different geographic areas are put on different frequencies. They are linked together through "backbone" nodes that operate on a common frequency and are wired to the LAN node. This is what we call a "Node Stack".

This did a lot for the growth of packet radio. Now, more users could be accomodated. In fact, it got very crowded after a while, and special-purpose networks, seperate from the mainstream packet networks, started to spring up. These networks often use the very same components that the mainstream network uses, and perform the same function. The main difference is that they are on seperate frequencies from the mainstream network, and don't connect to it. This was done to insure that these dedicated networks would not get congested by other non-related uses, and to insure they would not cause congestion on other networks.

A good example of a dedicated network is the DX cluster network. In the past, TCP/IP networks were also segregated. Currently, ARES networks are segregated as well.

As an experiment, we in the northeastern part of the state tried some network facility sharing. TCP/IP stations operated on the LAN, and nodes in Crivitz and Manitowoc had companion nodes that formed a bridge to the DX network. As time went on, ARES nodes were put on the air and also connected to the mainstream backbone in the south-central part of thestate.

So far (which has been at least 5 years now), no real problems. Now that packet activity of all types has dropped off a lot, we'd like to extend the experiment statewide. Network operators who would like to join in would reconfigure their nodes to operate on a common backbone frequency. This would mean that a good part of the state of Wisconsin would be connected together via packet, no matter what specialty of packet you embrace. The idea is to help everyone out, everyone could benefit from this.

If you've ever wanted to try out a DX cluster, this would give you a network path to one. If you have wanted to try out a TCP/IP station and could not reach one, this may bring a network connection within reach.

And those hams that participate in ARES and RACES would probably find it a lot easier to connect to the WEM ham shack if there were more links to the ARES network available.

Other benefits include redundant paths, which are very important for emergency work. The more network facilities that are available to users,the more reliable a network becomes.

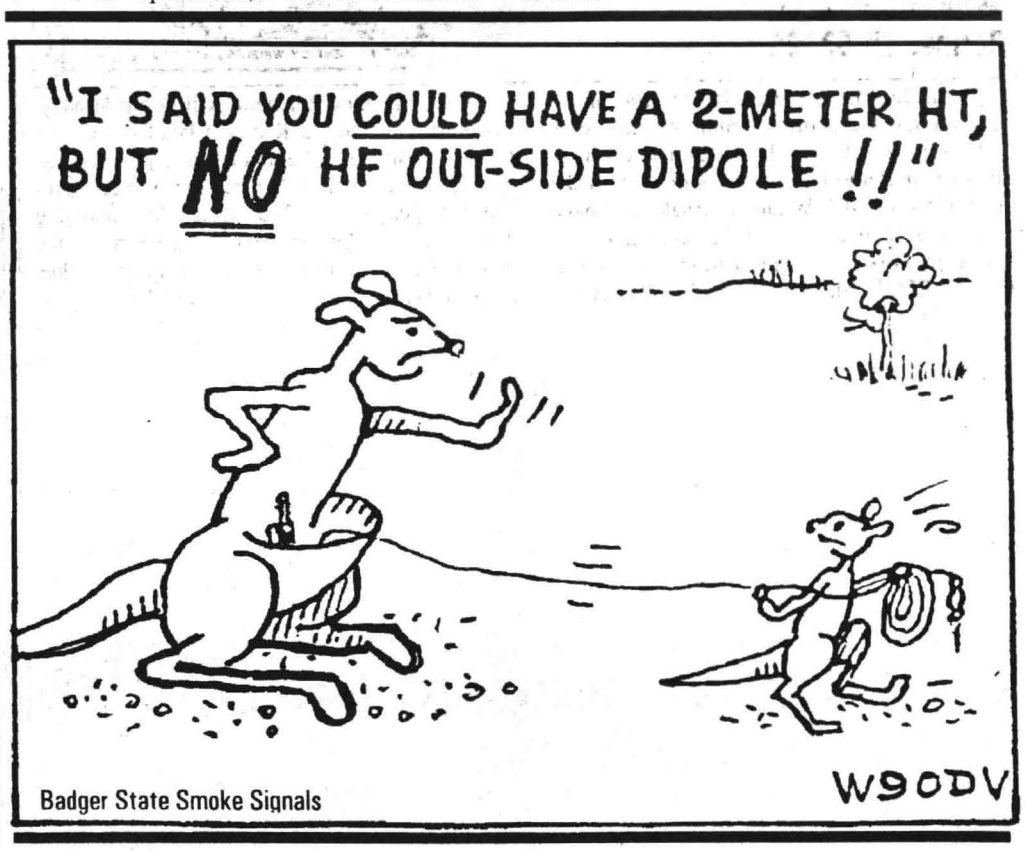
This proposal needs the support of operators of all kinds of networks to succeed, and it's our hope you support it. If you operate any kind of seperate network and would like to extend it's reach (and help other network operators exend their networks' reach), contact Joel Papke, N9BQM. You can e-mail him at:

jpapke@engineer.com

Alternatively, you can send him a packet message at:

N9BQM@N9BQM.#CWI.WI.USA.NOAM

Joel can discuss in depth what can be done to connect networks and give you the other background information you will want to have.



Looking for a Wisconsin ham's email address?
Try checking at
http://www.bsss.org

Wisconsin Amateur Packet Radio Association

THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Allen Schnepf, NØGMJ, Treasurer
Ogema, WI 54459

Andy Nemec, KB9ALN, Editor · 453 Cottage Grove Avenue · Green Bay, WI 54304 · e-mail: kb9aln@juno.com

WAPR News - February, 2001

by Andy Nemec, KB9ALN

Hello, everyone. Here's hoping that our "normal" winter ends quickly and that we can once again enjoy warmer weather. I can say nothing good about the winter season, as I suffer all the way through it. Hope you're doing better than me.

News to report this month includes a WAPR meeting. Minutes of this meeting appear on this page, along with a small sidebar that covers one of the issues we spent some time discussing, combining and sharing of separate networks.

One of the other issues we discussed was not formally on the agenda, a dues increase for those of us who get the printed version of the Badger State Smoke Signals. In addition to the printed version, we are also offering the opportunity to donate to the BSSS for viewing the electronic version of this fine paper that appears on the World Wide Web.

We point out the fact that the Badger State Smoke Signals is twice as expensive as what WAPR charged for the companion BSSS subscription. Understand, we feel that the increased price is well worth it - where else can you get this kind of information about the Wisconsin Amateur Radio scene? And this is a not-for-profit enterprise - it doesn't fatten anyone's wallet (in fact, it skinnies a few). It is done as a service to hams and is a very good one at that.

While the electronic version is cheaper to produce, there are still costs involved. That is why we are now offering the 3-tiered dues structure. It allows us to make a donation to the BSSS to help maintain the electronic version, and still allow people to get the printed version at a price that will not deplete the WAPR treasury. As it is, we are still drawing about $.37 from the WAPR treasury for each new subscription (we think we can handle that!).

For those of you who joined last year (and this year prior to January 20th) you will not be affected by this increase. You will receive the deal that you agreed to if you also asked for the BSSS subscription. Also note that the core dues for WAPR remain the same ($15.00 annually) - we are just trying to cover our increased costs.

In other news, the Node Alias GRBBBS is once again active and appearing on node lists. For a few months, I was operating the Green Bay BBS on our VHF LAN, and did not want node traffic for the BBS to appear on the LAN frequency. We've since moved the BBS to UHF where node traffic should not be disruptive. So once again, I activated the Node function on the BBS.

Soon we will be activating another Node Alias, NWSGRB. Asking for a connect to this node will connect you to the Green Bay National Weather Service Office packet station. Look for this in the coming month.

As was reported a couple of months back, the backbone and LAN nodes in Crivitz were out of service, and have been repaired. They have not been reinstalled at the node site yet. Stay tuned, they should return before too long.

Speaking of Crivitz, this node stack is an excellent example of shared networks working together, making one larger network. Regular users of this node stack remember the node UPDX. This was a connection to the packet cluster network, accessable through the "regular" amateur packet network. See the sidebar for a deeper discussion of this concept and how it can help everybody that uses some form or another of packet in Wisconsin.

Last month I put a survey on this page, one designed to discover why we have seen such a drop-off of packet activity. To date (mid-January), I have not received any responses. I again ask those who know someone who left packet to forward this survey to them. I would appreciate the time they spend filling it out. Once we know why people have left, we can take appropriate action to try and keep activity from dropping off.

That's it for this month. As always, I appreciate your notes and news. Please send any packet news to one of the addresses at the top of this page.

Until next time, 73 from Andy.

WAPR Meeting Minutes

January 20, 2001 Recorded by Andy Nemec, KB9ALN

The meeting was called to order at 10:54 A.M. on January 20, 2001 at the Pittsville Fire Station in Pittsville, Wisconsin.

Attending were N9BQM, N0GMJ, KB9QYG, N9NCQ, KB9QWC and KB9ALN.

The first order of business was the election of officers for the 2000/2001 term. N0GMJ expresses the desire to leave the treasurer's position, as he feels that he does not have enough time to do the job justice (no one else felt that way as he has been doing a very good job). Larry, WD9ESU has volunteered to assume that position.

The death of Ron Nelson, N9CFN leaves a vacancy on the board for one more director, and after some good-natured arm-twisting, KB9QWC was nominated for a board position and accepted the nomination. The board nominations consisted of:

N9BQM, Joel Papke - Chairman
KB9QWC, Aaron Hiese - Vice Chair
WD9ESU, Larry Shields - Treasurer
KB9ALN, Andy Nemec - Secretary
KF9XX, Guy Boucher - Director
N0GMJ, Al Schnepf - Director
AA9AW, Walt Altus - Frequency Coordinator

The motion to accept the nominations was seconded, and the board was elected (nearly unanimously).

After the board was elected, we settled down to more routine business. First, there was a general discussion on the status of various node sites, including the site at Timm's Hill. We are in the last year of a five-year lease, which was drawn up with the previous owners of the site. Al, N0GMJ asked whether we should consider replacing this site with another, as the new owners of the site may ask for a considerable rent increase.

Al has been paying the site rental by himself, and has no objection to continuing if the rent is reasonable, and if the site is used. He notes that there has been very little use of this site since W9NNS moved from Weston (it's necessary to use some intermediary node between Rudolph and Timm's hill to connect to the network to the south). He wonders if we might consider a different site.

It was noted that the alternatives mentioned would not make a connection path from Rudolph. The discussion was tabled, as there may be other alternatives we can investigate.

We also discussed the Meteor Hill site. Currently, it can't be connected to, and Al, N0GMJ is fairly certain the radio is at fault. He feels we can improve and update the site so that the northwestern part of the state can come closer to a functioning network. More discussion will continue and some kind of action will happen when we know what the situation with Timm's Hill will be.

Next, we turned our attention to a proposal that Joel, N9BQM has put forth. He notes that in Wisconsin, we have several disparate packet networks serving various purposes. We have the conventional node network, some TCP/IP networks, ARES and DX Cluster networks that could be combined together statewide to form one network providing connectivity to most of the state. KB9ALN notes that we have a statewide TCP/IP frequency that is really not used much in Wisconsin anymore. And Joel notes that we have had mixed-use packet networks (DX Cluster, TCP/IP and "conventional" nodes) in the Eastern part of the state for quite a while now, with no real problems. Packet traffic in general has dropped off, we have a lot of 9600 bps backbone links in place, which means that we have less traffic than in the "old days", and increased capacity to carry the traffic that we have. This generated quite a bit of detailed discussion.

Joel has made some preliminary inquiries of network operators, and so far, they have been receptive to the idea. More details need to be worked out and more people have to be approached in order to move forward on this, and we will continue to work on this in the coming weeks and months. All attending were supportive of his continuing these discussions with other network operators.

One thing noted during these discussions was the fact that we have not had an updated node map for quite some time. While a lot of us may know where some particular node may be, it helps to have a map in front of you when discussing an unfamiliar node. Aaron KB9QWC has been working on a node map, and will continue to do so in collaboration with Joel. When it's finished, it will be available for distribution.

Next up was the Treasurer's report. Al reports that his last treasurer's report gave a balance of $1251.25. Income from Membership dues totaled $195.00. Tower rental for Meteor Hill and payments to the Badger State Smoke Signals totaled $241.28, leaving us a new balance of $1204.97.

Al also pointed out that we are getting charged twice as much for member's Badger State Smoke Signals subscriptions as we are collecting for them. Which means that our treasury is being slowly depleted every time someone opts to receive the Badger State Smoke Signals with their membership (and a lot of is do).

We also noted that the BSSS is also publishing an electronic version of the monthly on the web. While it is certainly cheaper to do this, there certainly must be some expenses involved there. So a unique proposal was put forth for a new membership dues structure.

Standard membership dues would remain at $15.00 annually. If members wish to look at the Badger State Smoke Signals' web version, dues would be $20.00 annually. If members wish to receive the printed version of the BSSS, the annual dues would be $25.00. This proposal was moved, seconded, and approved by vote.

Al also read the current membership list and accepted dues from some of the folks attending. Currently, WAPR has a grand total of 11 members.

After some more general discussion and tossing about of ideas, the meeting was adjourned at 1:15 P.M. We then met at a cafe in Pittsville for lunch, and continued with a general discussion concerning the drop-off of Amateur Radio activity, and how this and other factors affect packet radio.

Submitted January 21, 2001 by KB9ALN.

(Continued from page 3)

THE TESTPOINT

pleton information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. For Manitowoc or Kaukauna information, contact Larry Siebers, KD9IA (920) 759-1167.

OSHKOSH (OMRO)

The Oshkosh VE Team will administer Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon at the Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is $6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

SHEBOYGAN, WI

Saturdays, 9 a.m.: May 19, September 15

Tuesdays, 7 p.m.: March 20, July 17, November 20

Sessions will be held in the Red Cross building, 2023 Erie Avenue, Sheboygan, WI 53081, main floor. This testing site is handicapped accessible. Signs will direct applicants to the proper area of the building. Registration begins 30 minutes prior to each testing session. Pre-registration is appreciated, but walkins are welcome. Contact: Art Pahr, K9XJ, N8029 Willow Road, Plymouth, WI 53073-2929. (920) 876-2370. K9XJ e-mail: <k9xj@excel.net>.

ONALASKA, WI (ARRL-VEC)

February 21, May 19, September 15, and December 15, 2001. Tests will be given at the Onalaska Public Library. 9:00 a.m. Contact: KA9BKK, Roger Reader. readers@centuryte.net

MEDFORD, WI (ARRL/VEC)-UPDATE NEEDED

Take Ogden St. west off of Hwy. 13 to the courthouse. Park on the street or in the parking lot on the south side of the courthouse. Use one of the two entrances there. Watch for the signs when you get into the building. Talk-in on the 147.15 (+600 kHz, 114.8 PL) repeater. Walk-ins welcome, but if you know you'll be attending, please let us know. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451. (715) 748-4054. E-mail: Mike, N9GHZ, muzikman@pcpros.net.

PEWAUKEE, WI (ARRL/VEC)

First Saturday in months school is in session. Exams held at Waukesha County Technical College Science Building. WCTC is on Highway JJ off Hwy 16 from the East I-94 and Hwy T from West I-94 just north of GE Medical Systems. Handicapped parking is at the rear of the building. Tests start at 9 a.m. and registration ends at 10 a.m. Contact: Al Johnson, AA7CS, (920) 568-0836, email aa7cs@arrl.net; Roger Bradley, AA9OJ, (262) 691-3089 or SEWFARS Repeater club, c/o Jam Lazachek, KF9GG (262) 650-0724.

Thanks Al Johnson, AA7CS

HUDSON, WI (ARRL/VEC)

Sponsor: St. Croix Valley AR Testing Col. Time: Call for time and walk-in info, Contact: Gregory Miller (715)386-9857 Location: St. Croix County Emergency, Government Center by jail, Carmichal Rd. lower level, Hudson, WI 54016. (Information tnx ARRL Web site)

WAUSAU, WI-UPDATE NEEDED

Updated information needed.

HAMFEST EXAMS

Cedarburg WI - ORC Hamfest
Green Bay WI - ARES Hamfest
Hayward WI - Hayward Hamfest
Kaukauna WI - Swapfest
Manitowoc WI - Lakeshore Hamfest
Oak Creek WI - SMARC Hamfest
Rhinelander WI - NWARC Swapfest
Rockford IL - RARC Hamfest
Rothschild WI - WVRA Hamfest
South Milwaukee, WI - SMARC Hamfest
Stevens Point, WI - CWRA Swapfest
Waukesha WI - KMRA Swapfest
Waukesha WI - Midwinter Swapfest
Dubuque IA - Hamfest

See the Swapfest page for additional information and contact persons.

IN THE NEIGHBORHOOD

DUBUQUE, IOWA

Dubuque Hamfest. Contact: Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

SIOUX CITY, IA

All tests will be on Fridays at 6:30 p.m. Walk-ins welcome. Location: Red Cross, 4200 War Eagle Drive, Sioux City IA. For information call: John A. Bylin, 4537 Country Club Blvd., Sioux City, IA 51104-1000

ROCKFORD/LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Contact: Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail WB9QYV@aol.com

MINNESOTA TEST INFORMATION

From The Ground Wave, Saint Paul Radio Club

Saint Paul Radio Club (SPRC)

TESTING: First Saturday of the month, 8:30 a.m. Contact: Ed VanCleave, W0VC, (612) 636-0108 Test Site: St. Paul Technical College 235 Marshall Ave. St Paul, MN. http://www.qsl.net/sprc/index.html

Anoka Amateur Radio Club (AARC)

TESTING: Second Saturday of the month, 9 a.m. Contact: Craig Johnson, AA0ZZ (612) 483-3143 Test Site: Blaine City Hall 9150 Central Ave NE Blaine, MN

Bloomington Office of Emergency Management

Bloomington Amateur Radio Club (BARC)

TESTING: Fourth Saturday of the month, 9 a.m. Contact: Dan Royer, KE0OR (612) 888-9756 Test Site: Fire Station No. 1 94th St. & Nicollet Avenue S. Bloomington, MN

Valley Amateur Radio Club (VARC)

STING: Second Thursday of the month, 7 p.m. Contact: Bill Martin, AI0D (612) 432-0438 Test Site: Hayes Community Center 14601 Hayes Road Apple Valley, MN

W5YI Group

TESTING: Third Tuesday of the month, 6:30 p.m. Contact: Dave Ranney, N0AXL (612) 542-2553 Test Site: Eden Prairie Library 479 Eden Prairie Drive Eden Prairie, MN

SE Metro Area Radio Club (SEMARC)

TESTING: Third Saturday of the month, 9 a.m. Contact: Dave Harrell, K0BTE (612) 459-8678 Test Site: Cottage Grove fire Station 8641 80th ST., S Cottage Grove, MN.

The times and places listed above are the usual time and place for each VE team. Occasionally, sessions are canceled or changed. It is a good idea to call ahead to confirm the test time and place.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to kebneter@palacenet.net.

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)

Club net: Sundays 8:00 p.m. on 147.315

Raymond J. Matlosz, N9MLZ, Secretary
450 W. 2nd St., Reedsburg, WI 53959-1500

The ad for the fifth annual Circus City Swapfest August 11, 2001 was submitted to BSSS. Follow-up discussion on the table top exercise held in November. Further discussion on whether or not the club should offer classes for people wishing to become amateur radio operators. tabled.

NEW BUSINESS: Peter Sweeney, WD9JIB reported Jim Shultis, DVM donated radio equipment to the club. Pete asked for assistance in getting the rest of the equipment, where to store it and what should the club do with the equipment. Discussion on whether or not the club should have an open house, maybe in April. Tabled until February meeting. Thomas Harrison, N9PQJ read an announcement from W9IXG@ARRL.ORG who plans on offering a weekend class for the General Class license (written portion only) in Madison. W9IXG also offers code on 146.76 Monday and Thursday evenings at 8:30 p.m.

Bill Klinkner asked for volunteers for a work party at his shop on January 13, 2001 at 9 a.m. for the EOC.

DUES ARE DUE. Send twenty bucks to Bill Klinkner, 1800 North Street, Prairie du Sac 53578

Meeting adjourned at 8:25 p.m.

Next meeting: Tuesday February 6, 2001, room 18, Baraboo Civic Center followed by a presentation on the mysteries of the internet by Jim Paul, N9LKY. Sunday night net 8 p.m. 147.315

respectfully submitted, Raymond J Matlosz N9MLZ club secretary

The following members were present:

Dave Spearing	KB9CSW	Portage
Jim Paul	N9LKY	Baraboo
Pete Sweeney	WD9JIB	Reedsburg
Steve Schulze	N9UDO	Baraboo
Tom Harrison	N9PQJ	Reedsburg
Bill Klinkner	N9KXX	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg



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P. O. Box 102 South Milwaukee, WI 53172

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North Shore Radio Club / Box 1066 Highland Park, IL / 60035

Eau Claire Amateur Radio Club
HAMFEST 2001
Saturday, June 9, 2001
For Information Contact:
Jim Staatz KG9RA at 715-838-9108
P.O. Box 1867 Eau Claire, WI 54702-1867
http://www.ecarc.org w9eau@ecarc.org

Ozaukee Radio Club
23RD ANNUAL RADIO AND COMPUTER SWAPFEST
Saturday, May 5, 2001
8 a.m. to 1 p.m. • Circle B Recreation Center
Intersection of Highway 60 and County I
Exams by Badger Examiners, c/o Gary Sharbuno,
5119 W. Willow Rd., Brown Deer, WI 53222
Swapfest sponsored by the Ozaukee Radio Club
W55 N865 Cedar Ridge Drive • Cedarburg, WI 53012

Circus City Swapfest
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